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Library

KINGSTON, ONTARIO

# Queen's University Council.

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KINGSTON, 5TH FEBRUARY, A.D. 1892.

A special meeting of the University Council to nominate candidates for the office of Chancellor for the ensuing term of three years will be held in Convocation Hall, Queen's College, on Monday, the 15th day of February, A.D. 1892, at the hour of five o'clock, p.m. Nominations must be in writing and signed by five members of the Council, and fyled with the Registrar before the hour of meeting.

D. M. McINTYRE,


*Acting Registrar.*



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9. *Watkins ; value \$70.*

On the combined standing in English, Mathematics, Latin and Greek or Moderns.

By the Will of the donor this scholarship is tenable only by candidates who have spent a year at the Kingston Collegiate Institute.

10. *The Mayor ; value \$50.*

For general proficiency in all subjects necessary to full matriculation.

11—13. *Senate, Nos. 2, 3 and 4 ; value—Exemption from Class and Registration fees for a four years' course.*

For general proficiency in all subjects necessary to full matriculation.

14. *Mowat ; value \$50.*

On the standing in Arithmetic at matriculation.

CONDITIONS.

Scholarships 1 to 9 inclusive are awarded upon the combined results of the Pass and Honor Examinations. Scholarships 10 to 14 are awarded upon the results of the Pass Examinations only.

To be eligible for a scholarship a candidate must pass in English, Mathematics, Latin, and Greek or Moderns.

A scholarship is tenable only in case of attendance upon University classes.

Successful candidates must make at least two-thirds of the marks allotted to the subject or subjects upon which the scholarship is awarded.

General proficiency scholarship will be awarded on only those subjects which are necessary to full matriculation, and any subjects offered over and above these will not be considered in the award. (See Calendar, Subjects of Pass Matriculation).

Candidates for scholarships must notify the Registrar to that effect not later than July 20th, and accompany their notification by the Registration fee of \$7.

The awards will be made as soon as the Department furnishes the candidates' marks.

GEORGE BELL, LL.D.,  
*Registrar.*

Queen's University,  
Feb. 25th, 1892.

## CIRCULAR.

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### MATRICULATION SCHOLARSHIPS IN QUEEN'S UNIVERSITY.

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The Departmental Examinations, in both Pass and Honors, being accepted by Queen's University, the following Matriculation Scholarships will be awarded upon the results of these Examinations in July, in accordance with the Regulations and conditions hereunto attached.

*1. Prince of Wales ; value \$60.*

On the combined standing in English, Mathematics, Latin, and Greek.

*2. The Governor General ; value \$75.*

On the standing in Mathematics.

*3. The Chancellor ; value \$60.*

For general proficiency in all the subjects necessary for full matriculation.

*4. Mackerras Memorial ; value \$100.*

On the combined standing in Latin and Greek.

*5. Gunn ; value \$100.*

For general proficiency in all subjects necessary to full matriculation.

*6. Leitch Memorial No. 1 ; value \$57.*

On the combined standing in English and Moderns.

*7. Forbes McHardy ; value \$30, and exemption from class fees for one year.*

For general proficiency in all subjects necessary to full matriculation.

*8. Senate No. 1 ; value—Exemption from class fees for a four years' course.*

For general proficiency in all subjects necessary to full matriculation.





## *Pass Examinations in Arts.*

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1892.

|            |            |                            |
|------------|------------|----------------------------|
| Saturday,  | 9th April— | Senior Physics             |
|            |            | —French and German.        |
| Monday,    | 11th “     | —French and Greek.         |
| Tuesday,   | 12th “     | —English.                  |
| Wednesday, | 13th “     | —Mathematics.              |
| Thursday,  | 14th “     | —Latin.                    |
| Friday,    | 15th “     | —Philosophy.               |
| Saturday,  | 16th “     | —Physics.                  |
| Monday,    | 18th “     | —Chemistry.                |
| Tuesday,   | 19th “     | —Natural Science.          |
| Wednesday, | 20th “     | —German.                   |
|            |            | Senior Political Science.  |
| Thursday,  | 21st “     | —History.                  |
| Friday,    | 22nd “     | —Junior Political Science. |
| Saturday,  | 23rd “     | —Senior Natural Science.   |

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## *Pass and Honour Examinations in Theology.*

---

|           |             | A.M.                     | P.M.               |
|-----------|-------------|--------------------------|--------------------|
| Friday,   | 15th April— | .....                    | Church History.    |
| Monday,   | 18th “      | —Apologetics.....        | Apologetics.       |
|           |             | *Butler.....             | O. T. Exeg. (B.D.) |
|           |             | Divinity (B.D.).....     | *N. T. Exegesis.   |
| Tuesday,  | 19th “      | —Second Hebrew.....      | Third Hebrew.      |
|           |             | *Divinity.....           | .....              |
| Wed'sday, | 20th “      | —O. T. Exegesis.....     | N. T. Exegesis.    |
| Thursday, | 21st “      | —Divinity.....           | Divinity.          |
| Friday,   | 22nd “      | —First Hebrew.....       | Chaldee (B.D.)     |
|           |             | N. T. Exeg. (B.D.).....  | .....              |
|           |             | N. T. Exeg. (89-90)..... | .....              |
|           |             | *Hebrew.....             | .....              |
| Saturday, | 23rd “      | —Apologetics (B.D.)..... | .....              |

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\* For Leitch Memorial No. 2.





# *HONOUR EXAMINATIONS, 1892.*

---

| MARCH.        | 9.00 A.M.                 | 3.00 P.M.                |
|---------------|---------------------------|--------------------------|
| Monday, 28—   | Qualitative Analysis..... | Qualitative Analysis.    |
| Tuesday, 29—  | Qualitative Analysis..... | Qualitative Analysis.    |
| Wed'sday, 30— | Prac. Crystallography.... |                          |
| Thursday, 31— |                           | Blowpiping (Practical).  |
| <b>APRIL.</b> |                           |                          |
| Friday, 1—    |                           | Practical Mineralogy.    |
| Saturday, 9—  | Moderns.....              | Moderns.                 |
|               | Philosophy .....          | Philosophy.              |
|               |                           | Quaternions.             |
| Monday, 11—   | Latin.....                | Greek.                   |
|               | Theoretical Botany.....   | Moderns.                 |
| Tuesday, 12—  | Latin .....               | Greek.                   |
|               | History of Chemistry....  | Moderns.                 |
|               |                           | General Chemistry.       |
|               |                           | Differential Equations.  |
| Wed'sday, 13— | Latin .....               | Greek.                   |
|               | Systematic Mineralogy...  | Moderns.                 |
|               | Differential Calculus.... | Systematic Mineralogy.   |
|               | 1st Honours Philosophy..  | 1st Honours Philosophy.  |
|               |                           | Plane Trigonometry (I).  |
| Thursday, 14— | Latin.....                | Greek.                   |
|               | Political Science.....    | Moderns.                 |
|               | History .....             | History.                 |
|               | Practical Botany.....     | Synthetic Mod. Geometry  |
|               |                           | Spherical Trigonometry   |
| Friday, 15—   | Latin....                 | Greek.                   |
|               | History.....              | Moderns.                 |
|               | Political Science.....    | History.                 |
|               | Integral Calculus.....    | Physical Geography.      |
| Saturday, 16— | Latin.....                | Greek.                   |
|               | Physics .....             | Moderns.                 |
|               | Political Science.....    | Physics.                 |
|               | Higher Algebra (II).....  | Lith. and Hist. Geology. |

|               |   |                                    |
|---------------|---|------------------------------------|
| Monday, 18—   | Latin . . . . .                               | Greek.                             |
|               | English . . . . .                             | Moderns.                           |
|               | Philosophy . . . . .                          | Philosophy.                        |
|               | Anatomy . . . . .                             | Plane Trigonometry (II)            |
|               | Second year Zoology . . . .                   | Determinants, &c.                  |
|               |   | Second year Zoology.               |
| Tuesday, 19—  | Latin . . . . .                               | Greek.                             |
|               | English . . . . .                             | Moderns.                           |
|               | Anglo-Saxon . . . . .                         | Physiology.                        |
|               | Crystallography . . . . .                     |                                    |
|               | Higher Algebra (I) . . . . .                  |                                    |
|               | Theory of Equations . . . .                   |                                    |
| Wed'sday, 20— | Latin . . . . .                               | Greek.                             |
|               | Political Science . . . . .                   | Moderns.                           |
|               | Analytic Solid Geometry . .                   | Qualitative Analysis<br>(written). |
|               | Blowpipe Analysis (written)<br>ten) . . . . . |                                    |
| Thursday, 21— | Latin . . . . .                               | Greek.                             |
|               | Political Science . . . . .                   | Moderns.                           |
|               | Synthetic Solid Geometry .                    | Organic Chemistry.                 |
|               | Conics (II) . . . . .                         |                                    |
|               | Principles of Geology . . . .                 |                                    |
| Friday, 22—   | Latin . . . . .                               | Greek.                             |
|               | Political Science . . . . .                   | Moderns.                           |
|               | Organic Chemistry . . . . .                   | Conics (I).                        |
|               |   | Problems (II).                     |
| Saturday, 23— | Latin . . . . .                               | Greek.                             |
|               | Problems (I) . . . . .                        | Theoretical Zoology.               |

# QUEEN'S UNIVERSITY.

## MEDICAL EXAMINATIONS. 1891-92.

| SUBJECTS.                          | TIME.  | EXAMINERS.            |
|------------------------------------|--|-----------------------|
| Materia Medica .....               | Tuesday, Mar. 22, 10 A.M. ....                         | Dr. Fife Fowler.      |
| Practice of Med. and Pathology...  | " " 3 P.M. ....  | Dr. T. M. Fenwick.    |
| Physiology .....                   | Wednesday " 23, 10 A.M. ....                           | Dr. Anglin.           |
| Obstetrics .....                   | " " 3 P.M. ....  | Dr. Herald, M.A.      |
| Anatomy .....                      | Thursday, " 24, 10 A.M. ....                           | Dr. D. Mundell, B.A.  |
| Histology .....                    | " " 3 P.M. ....  | " "                   |
| Jurisprudence .....                | Friday, " 25, 10 A.M. ....                             | Dr. Henderson.        |
| Sanitary Science .....             | " " 3 P.M. ....  | " "                   |
| Jr. and Sr. Theor. Chemistry ..... | " " "10 & 2" ....                                      | Prof. Goodwin, D.Sc.  |
| Surgery and Surg. Anatomy .....    | " 26, 10 A.M. ....                                     | Hon. Dr. Sullivan.    |
| Prac. and Anal. Chemistry .....    | " " 9 & 2 " ....                                       | Prof. Goodwin, D.Sc.  |
| Botany .....                       | April 19, and at the close of the Summer Session. .... | Prof. J. Fowler, M.A. |

Dr. Fife Fowler, Chairman of the Board of Examiners.

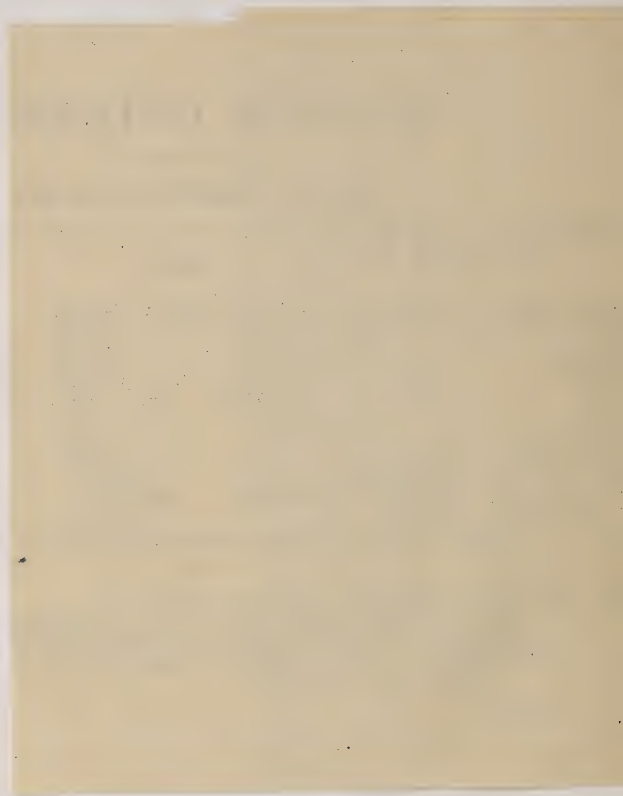
Orals to begin as follows, and to be continued as the Examiners shall appoint:—

For Students of the Women's Medical College, Monday, 28th, at 3 P.M.

For Students of the Royal Medical College, Monday, 28th, at 7 P.M.

GEORGE BELL, LL.D.,  
Registrar.





# UNIVERSITY OF QUEEN'S COLLEGE,

KINGSTON, 12TH APRIL, 1892.

SIR :

Your attendance is respectfully requested at the Annual Meeting of the Trustees of Queen's College, to be held in the Senate Room of the College, on Wednesday, 27th April inst., at 4.30 P.M.

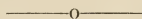
Your obedient servant,

**J. B. McIVER,**

*Secretary to the Board of Trustees.*

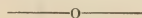
## Business:

1. Report to the General Assembly.
2. Election of Trustees.
3. Report of Committee on Memorial of Professors.
4. Report on Building, Equipment and maintenance of John Carruthers Hall.
5. Report of Finance Committee on Ways and Means.
6. Reports of the Principal, Librarian, Curator of the Museum, Registrar, General Secretary, and Auditors.
7. References from the University Council.
8. General Business at Annual Meeting.



## PROGRAMME OF CLOSING CEREMONIES:

- |            |             |  |
|------------|-------------|--|
| Sunday,    | 24th April, | 3.00 P.M.—Baccalaureate Sermon.  |
| Monday,    | 25th        | 4.00 P.M.—Inspection of John Carruthers Hall.  |
|            |             | 8.00 P.M.—Lecture in Carruthers Hall by Prof. Dupuis on "The Nebular Hypothesis."  |
| Tuesday,   | 26th        | 2.00 P.M.—Meeting of University Council and report of re-election of Chancellor.   |
|            |             | 2.30 P.M.—Chancellor's Address and Valedictories in Convocation Hall.  |
|            |             | 4.00 P.M.—Reassembling of University Council in Senate Room for business.  |
|            |             | 8.00 P.M.—Annual Meeting, in Science Hall, of Theological Alumni and Students' Home and Foreign Missionary Associations. Discussion on "The Adaptation of Theological studies to present day needs." |
| Wednesday, | 27th        | 10.00 A.M.—Business Meeting of College Societies.  |
|            |             | 2.30 P.M.—Convocation.   |
|            |             | 4.30 P.M.—Meeting of the Board of Trustees.  |



P.S.—The Railways will grant only usual return tickets except where 8 or more travel from one place when special rates can be had at starting point.





# University Council of Queen's College.

KINGSTON, 16TH APRIL, A.D. 1892.

SIR :—

You are requested to attend the Annual Meeting of the Council in the Senate Room, Queen's College, on Tuesday, the 26th instant, at 4.00 P.M. The following is the programme of the closing ceremonies :—

- Sunday, 24th inst., 3.00 P.M.—Baccalaureate Sermon.  
Monday, 25th inst., 4.00 P.M.—Inspection of John Carruthers Hall.  
8.00 P.M.—Lecture in Carruthers Hall by Prof. Dupuis on "The Nebular Hypothesis."  
Tuesday, 26th inst., 2.00 P.M.—Meeting of University Council and Report of re-election of Chancellor.  
2.30 P.M.—Chancellor's Address and Valedictories in Convocation Hall.  
4.00 P.M.—Reassembling of University Council in Senate Room for business.

BUSINESS: (1) Election of a member to the Board of Trustees. (2) Appointment of new members to fill vacancies. (3) Appointment of representative on Board of Medical Studies. (4) Report of representative to the Medical Council and relative business. (5) Proposal to establish a Medical Faculty. (6) Report of Committee on Residence for Students. (7) Report of Committee on Dr. William-son's Jubilee. (8) Report of Committee on admission of Books for the Library free of duty. (9) Other Reports and General Business.

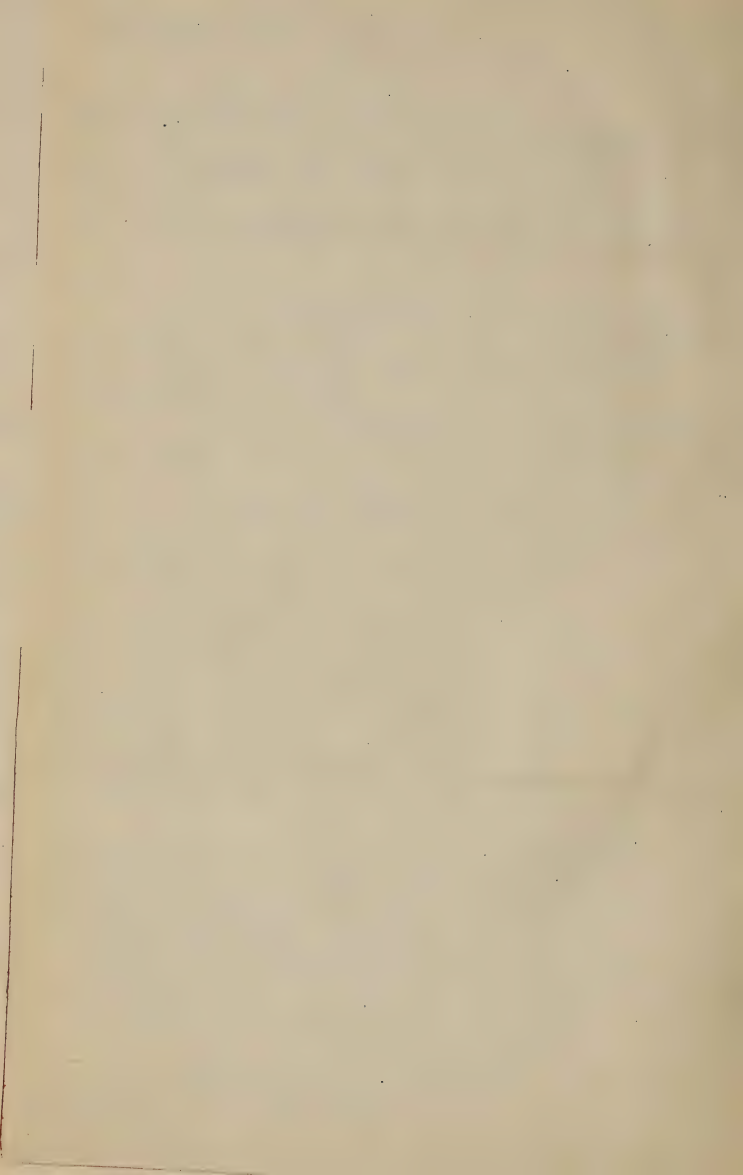
8.00 P.M.—Annual Meeting in Science Hall of Theological Alumni, and Students' Home and Foreign Missionary Associations. Discussion on "The adaptation of Theological studies to present day needs."

- Wednesday, 27th inst., 10.00 A.M.—Business Meetings of College Societies.  
2.30 P.M.—Convocation.  
4.30 P.M.—Annual Meeting of Board of Trustees.

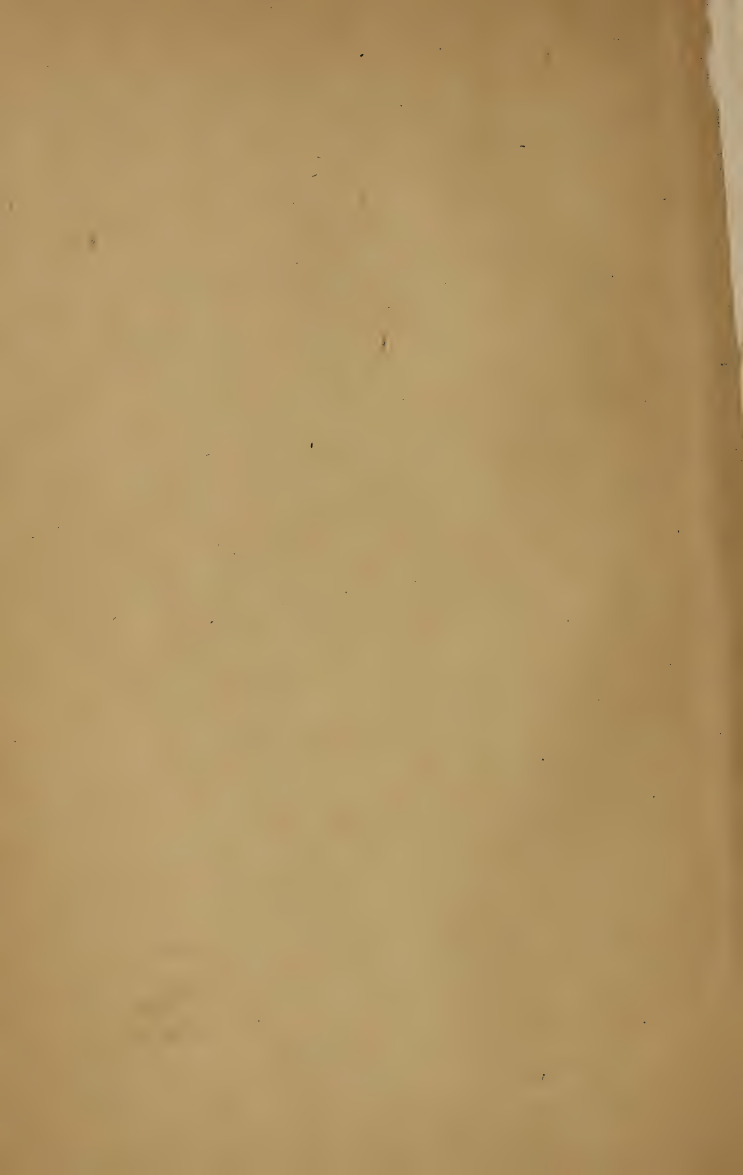
(Signed)

D. M. McINTYRE,

*Acting Registrar.*







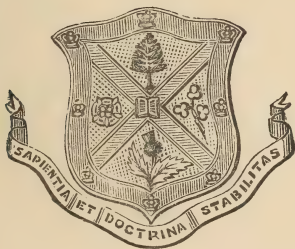
# CALENDAR

OF

## Queen's College and University

KINGSTON, CANADA.

*FOR THE YEAR 1892-93.*



INCORPORATED BY ROYAL CHARTER, A.D. 1841.

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KINGSTON:

PRINTED FOR THE UNIVERSITY BY WM. BAILLIE.

1892.

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## DEPARTMENTAL REQUIREMENTS FOR SPECIALISTS' CERTIFICATES.

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The Education Department accepts the examinations held in Queen's University upon the following parts of the Pass and Honour courses, for Departmental Specialists' Certificates. The standard is one-third of the marks obtainable in each paper and sixty-seven per cent. of the total of the marks obtainable in the papers on the prescribed subjects. The work prescribed must be taken at one or, at most, two examinations. Supplementary examinations are not accepted.

### I. SPECIALIST IN ENGLISH AND HISTORY.

#### *English.*

Junior Class—Senior Class—1st and 2nd year Honours (Calendar, pp. 31-33).

#### *History.*

Junior Class—Senior Class (Calendar, pp. 35-36).

### II. SPECIALIST IN FRENCH AND GERMAN.

Junior Class—Senior Class—1st year Honours (Calendar, pp. 28-30).

### III. SPECIALIST IN SCIENCE.

#### *Physics.*

Junior Class—Senior Class—Optics of 1st Honour Class (Calendar, pp. 48-49).

#### *Chemistry.*

Junior Class—Senior Class—Laboratory Practice, Qualitative Analysis (Calendar, pp. 51-52).

First year Mineralogy (Calendar, p. 55).

### *Natural Science.*

The Junior, Senior, and 1st year Honour Classes in Botany, Zoology and Geology (Calendar, pp. 57-59).

#### IV. SPECIALIST IN MATHEMATICS.

Junior Class—Honour work, Sec. 1 to 7, with Analytic Solid Geometry, Sec. 10 (Calendar, pp. 46-7).

Junior Physics—Senior Physics—Optics of 1st Honour Class (Calendar, pp. 48-49).

#### V. SPECIALIST IN CLASSICS.

Junior Class, Senior Class, and 1st year Honours, in Latin and Greek (Calendar, pp. 25-7).

Junior History (Calendar, p. 35).

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#### **HONOUR EXAMINATIONS IN SCIENCE.**

All honour examinations in Chemistry and Natural Science must be taken at the University.

# HONOUR EXAMINATIONS, 1892.

---

| MARCH.        | 9.00 A.M.                 | 3.00 P.M.                |
|---------------|---------------------------|--------------------------|
| Monday, 28—   | Qualitative Analysis..... | Qualitative Analysis.    |
| Tuesday, 29—  | Qualitative Analysis..... | Qualitative Analysis.    |
| Wed'sday, 30— | Prac. Crystallography.... |                          |
| Thursday, 31— |                           | Blowpiping (Practical).  |
| APRIL.        |                           |                          |
| Friday, 1—    |                           | Practical Mineralogy.    |
| Saturday, 9—  | Moderns.....              | Moderns.                 |
|               | Philosophy .....          | Philosophy.              |
|               |                           | Quaternions.             |
| Monday, 11—   | Latin.....                | Greek.                   |
|               | Theoretical Botany.....   | Moderns.                 |
| Tuesday, 12—  | Latin .....               | Greek.                   |
|               | History of Chemistry....  | Moderns.                 |
|               |                           | General Chemistry.       |
|               |                           | Differential Equations.  |
| Wed'sday, 13— | Latin .....               | Greek.                   |
|               | Systematic Mineralogy...  | Moderns.                 |
|               | Differential Calculus.... | Systematic Mineralogy.   |
|               | 1st Honours Philosophy..  | 1st Honours Philosophy.  |
|               |                           | Plane Trigonometry (I).  |
| Thursday, 14— | Latin.....                | Greek.                   |
|               | Political Science.....    | Moderns.                 |
|               | History .....             | History.                 |
|               | Practical Botany.....     | Synthetic Mod. Geometry  |
|               |                           | Spherical Trigonometry   |
| Friday, 15—   | Latin....                 | Greek.                   |
|               | History.....              | Moderns.                 |
|               | Political Science.....    | History.                 |
|               | Integral Calculus.....    | Physical Geography.      |
| Saturday, 16— | Latin.....                | Greek.                   |
|               | Physics .....             | Moderns.                 |
|               | Political Science.....    | Physics.                 |
|               | Higher Algebra (II).....  | Lith. and Hist. Geology. |

|               |                                       |   |
|---------------|---------------------------------------|---|
| Monday, 18—   | Latin . . . . .                       | Greek.                                    |
|               | English . . . . .                     | Moderns.                                  |
|               | Philosophy . . . . .                  | Philosophy.                               |
|               | Anatomy . . . . .                     | Plane Trigonometry (II)                   |
|               | Second year Zoology . . . . .         | Determinants, &c.<br>Second year Zoology. |
| Tuesday, 19—  | Latin . . . . .                       | Greek.                                    |
|               | English . . . . .                     | Moderns.                                  |
|               | Anglo-Saxon . . . . .                 | Physiology.                               |
|               | Crystallography . . . . .             |   |
|               | Higher Algebra (I) . . . . .          |   |
| Wed'sday, 20— | Latin . . . . .                       | Greek.                                    |
|               | Political Science . . . . .           | Moderns.                                  |
|               | Analytic Solid Geometry . . . . .     | Qualitative Analysis<br>(written).        |
|               | Blowpipe Analysis (written) . . . . . |   |
|               |                                       |   |
| Thursday, 21— | Latin . . . . .                       | Greek.                                    |
|               | Political Science . . . . .           | Moderns.                                  |
|               | Synthetic Solid Geometry . . . . .    | Organic Chemistry.                        |
|               | Conics (II) . . . . .                 |   |
|               | Principles of Geology . . . . .       |   |
| Friday, 22—   | Latin . . . . .                       | Greek.                                    |
|               | Political Science . . . . .           | Moderns.                                  |
|               | Organic Chemistry . . . . .           | Conics (I).<br>Problems (II).             |
|               |                                       |   |
| Saturday, 23— | Latin . . . . .                       | Greek.                                    |
|               | Problems (I) . . . . .                | Theoretical Zoology.                      |



## ACADEMIC YEAR.

---

### 1892.

- Sept. 1—Notice of intention to appear at Matriculation or Supplementary Pass examinations in Arts to be given in writing to the Registrar.
- “ 20—Examinations begin. (Held at the University).
- Oct. 3—Classes in Arts open.
- “ 17—University Day—Holiday.
- “ 22—Candidates for B.D. and Matriculation examinations in Theology and Medicine must give notice of their intention to appear.
- “ 31—Matriculation examinations in Theology and Medicine begin.
- Nov. 2—Classes in Theology open.
- Dec. 24—Christmas Holidays begin.

### 1893.

- Jan. 10—Classes re-open.
- “ 12—Statutory Meeting of Senate.
- Feb. 15—Holiday.
- Mar. 18—Time expires for receiving Theses for M.D.
- “ 22—Time expires for receiving Theses for M.A. and D.Sc., and Essays for University prizes.
- “ 31—Holiday.
- April 7—Class-work in Arts closes.
- “ 10—Pass and Honour examinations in Arts begin.
- “ 14—Class-work in Theology closes.
- “ 17—Pass examinations in Theology begin.
- “ 24—Statutory Meeting of Senate for conferring Degrees, &c.
- “ 26—Convocation for distributing Prizes, announcing Honours and laureating Graduates.
- “ 27—Summer Session begins.
- June 24—Summer Session ends.

## TIME TABLE—ARTS.

| <i>Hour.</i> | <i>Monday.</i> | <i>Tuesday.</i> | <i>Wednesday</i> | <i>Thursday.</i> | <i>Friday.</i> |
|--------------|----------------|-----------------|------------------|------------------|----------------|
| 9            | Jr. Phil.      | †Jr. Phil.      | Jr. Phil.        | †Jr. Phil.       | Jr. Phil.      |
|              | Jr. Greek.     | Sr. Phil.       | Jr. Greek.       | Sr. Phil.        | Jr. Greek.     |
|              | Jr. French.    | Jr. Greek.      | Jr. French.      | Jr. Greek.       | Jr. French.    |
|              | Sr. Hist.      | Jr. French.     | Sr. Hist.        | Jr. French.      | Sr. Hist.      |
|              | *Pol. Sci.     | Jr. Hist.       | *Pol. Sci.       | Jr. Hist.        | *Pol. Sci.     |
| 10           | Jr. Phys.      | Sr. Phys.       | Jr. Phys.        | Sr. Phys.        | Jr. Phys.      |
|              | Jr. Latin.     | Jr. Latin.      | Jr. Latin.       | Jr. Latin.       | Jr. Latin.     |
|              | Jr. Science.   | Sr. Math.       | Jr. Science.     | Sr. Math.        | Jr. Sci.       |
|              | *Math.         |                 | *Math.           |                  | *Math.         |
|              | *Science.      | *Science.       | *Science.        | *Science.        | *Science.      |
|              | *History.      |                 | *History.        |                  | *History.      |
|              | *Latin.        | *Latin.         | *Latin.          | *Latin.          | *Latin.        |
| 11           | Jr. Germ.      | Jr. Germ.       | Jr. Germ.        | Jr. Germ.        | Jr. Germ.      |
|              | Jr. Chem.      | Jr. Chem.       | Jr. Chem.        | Sr. Chem.        | Sr. Chem.      |
|              | Sr. Prac.      | Sr. Prac.       | Sr. Prac.        | Jr. Prac.        | Jr. Prac.      |
|              | Chem.          | Chem.           | Chem.            | Chem.            | Chem.          |
|              | Sr. Latin.     | Sr. Latin.      | Sr. Latin.       | Sr. Latin.       | Sr. Latin.     |
|              | *Math.         | *Math.          |                  | *Math.           | *Math.         |
|              | *Science.      | *Science.       | *Science.        | *Science.        | *Science.      |
| 12           | *Greek.        | *Greek.         | *Greek.          | *Greek.          | *Greek.        |
|              | Sr. Greek.     | Sr. Greek.      | Sr. Greek.       | Sr. Greek.       | Sr. Greek.     |
|              | Jr. Pol. Sc.   | Sr. Pol. Sc.    | Jr. Pol. Sc.     | Sr. Pol. Sc.     | Jr. Pol. Sc.   |
|              | Sr. French.    | Sr. French.     | Sr. French.      | Sr. French.      | Sr. French.    |
|              | *Phil.         | *Phil.          | *Phil.           | *Phil.           | *Phil.         |
|              | *Latin.        | *Greek.         | *Latin.          | *Greek.          | *Philol'gy     |
|              | *Physics.      | *Physics.       | *Physics.        | *Physics.        | *Astron'y.     |
| 2            | *Zoology.      | *Zoology.       | *Zoology.        | *Zoology.        | *Zoology.      |
|              | Sr. Eng.       | Sr. Eng.        | Sr. Eng.         | Sr. Eng.         | Anglo-Sax.     |
|              | *German.       | Sr. Sci.        | *Mineralogy      | Sr. Sci.         | *Mineralogy    |
|              | *Physics.      | *French.        | *German.         | *French.         | *German.       |
| 3            | Jr. Math.      | *Math.          | Jr. Math.        | *Math.           | Jr. Math.      |
|              | Sr. German     | Sr. Germ.       | Sr. Germ.        | Sr. Germ.        | Sr. Germ.      |
|              | *Chem.         | *Chem.          | *Crystallog'y    | *Chem.           | *Chem.         |
|              | *English.      | Jr. Eng.        | *English.        | Jr. Eng.         |                |
| 4            | *Math.         | *Math.          | Jr. Eng.         | *Math.           |                |
|              | Jr. Hebrew     | Jr. Hebrew      | Jr. Hebrew       | Jr. Hebrew       | Jr. Hebr'w     |

\* Denotes Honours.

† Attendance Voluntary.

*TIME TABLE—DIVINITY.*

| <i>Hour.</i> | <i>Monday.</i>          | <i>Tuesday.</i>         | <i>Wednesday</i>        | <i>Thursday.</i>        | <i>Friday.</i>          |
|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 9 }          | 3rd Heb.                | 3rd Heb.                | 3rd Heb.                | 3rd Heb.                | 3rd Heb.                |
| 10 }         | N. T. Crit.             | O T. Crit.              | N. T. Crit.             | O. T. Crit.             | N. T. Crit.             |
| 11 }         | Divinity.               | Divinity.               | Divinity.               | Divinity.               | Divinity.               |
| 12 }         | Apologet's<br>Ch. Hist. | Apologet's<br>Ch. Hist. | Apologet's<br>Ch. Hist. | Apologet's<br>Ch. Hist. | Apologet's<br>Ch. Hist. |
| 3 }          | 2nd Heb.                | 2nd Heb.                | 2nd Heb.                | 2nd Heb.                | 2nd Heb.                |
| 4 }          | *Divinity.<br>Jr. Heb.  | Discourses<br>Jr. Heb.  | Discourses<br>Jr. Heb.  | Discourses<br>Jr. Heb.  | *Divinity.<br>Jr. Heb.  |

\*Denotes Honours.

## PASS EXAMINATIONS.

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### *Arts.*

1893.

|            |      |                         |
|------------|------|-------------------------|
| Monday,    | 10th | April—French and Greek. |
| Tuesday,   | 11th | “ —English.             |
| Wednesday, | 12th | “ —Mathematics.         |
| Thursday,  | 13th | “ —Latin.               |
| Friday,    | 14th | “ —Philosophy.          |
| Saturday,  | 15th | “ —Physics.             |
| Monday,    | 17th | “ —Chemistry.           |
| Tuesday,   | 18th | “ —Natural Science.     |
| Wednesday, | 19th | “ —German.              |
| Thursday,  | 20th | “ —History.             |
| Friday,    | 21st | “ —Political Science.   |

### *Theology.*

1893.

|            |      |                                  |
|------------|------|----------------------------------|
| Monday,    | 17th | April—Apologetics.               |
| Tuesday,   | 18th | “ —Second and Third Year Hebrew. |
| Wednesday, | 19th | “ —O. and N. T. Criticism.       |
| Thursday,  | 20th | “ —Divinity.                     |
| Friday,    | 21st | “ —First Year Hebrew.            |

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## MATRICULATION TIME TABLE.

SEPTEMBER, 1892.

### *Pass Examination.*

|           |                            |                                |
|-----------|----------------------------|--------------------------------|
| Sept. 22— | Eng. Poet. Literature..... | Arithmetic.                    |
| “ 23—     | Chemistry.....             | German Authors.                |
|           | Physics.....               | Ger. Gram. and Comp.<br>Greek. |
| “ 24—     | Algebra .....              | English Grammar.               |
| “ 26—     | Latin Authors.....         | French Authors.                |
|           | Latin Gram. and Comp.....  | French Gram. and Comp.         |
| “ 27—     | Euclid.....                | History and Geography.         |
| “ 28—     | Eng. Comp. and Prose Lit.  |                                |

## FACULTY OF ARTS.

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### ART. I. PASS MATRICULATION.

The classes and pass examinations in the University are open to unmatriculated students, but candidates for a degree must pass the Matriculation Examination before being admitted to Examination on any of the work of the University Course.

Any person presenting a Departmental Certificate of Matriculation will be admitted as an undergraduate upon paying the Registration fee.

Leaving Examination Certificates and Certificates of work done in other Institutions recognized by the Senate, will be accepted *pro tanto*.

Matriculation Examinations are held annually at the University in September. See Academic year, page 1.

Matriculation Scholarships will be awarded on the results of the Departmental Examinations in July.

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### *Subjects of Pass Matriculation.*

All candidates for Junior Matriculation must take the pass subjects in Latin, English, Mathematics, History and Geography, and in one of the following courses: (a) Greek, (b) French and German, (c) French and either Physics or Chemistry, (d) German and either Physics or Chemistry. But only one of the options *a, b, c, d*, will be taken into account in awarding General Proficiency Scholarships.

## LATIN.

1892. { Virgil, *Æneid*, I.  
       { Cæsar, *Bellum Gallicum*, I, II.
1893. { Virgil, *Æneid*, I.  
       { Cæsar, *Bellum Gallicum*, III, IV.
1894. { Virgil, *Æneid*, II.  
       { Cæsar, *Bellum Gallicum*, III, IV.
1895. { Virgil, *Æneid*, II.  
       { Cæsar, *Bellum Gallicum*, V, VI.

Translation from English into Latin prose, involving a knowledge of Bradley's *Arnold*, Exercises 1-24 and 49-64 inclusive.

Translation at sight, with the aid of vocabularies, of easy passages from Latin authors.

A Paper on Latin Grammar.

For practice in writing continuous Latin prose, candidates are recommended to study Simpson's *Latin Prose* (Part I).

## GREEK.

1892. { Xenophon, *Anabasis*, III.  
       { Homer, *Iliad*, I.
1893. { Xenophon, *Anabasis*, IV.  
       { Homer, *Iliad*, I.
1894. { Xenophon, *Anabasis*, IV.  
       { Homer, *Iliad*, VI.
1895. { Xenophon, *Anabasis*, V.  
       { Homer, *Iliad*, VI.

Translation from English into Greek Prose, involving a knowledge of the first fifteen exercises of Abbott's *Arnold's Greek Prose Composition*; or, the first twelve exercises of Fletcher and Nicholson's *Greek Prose Composition*.

Translation at sight, with the aid of vocabularies, of easy passages from Greek authors.

A paper on Greek Grammar.

## MATHEMATICS.

Arithmetic.

Algebra. Elementary rules; easy factoring; highest common factor; lowest common multiple; square root; fractions; ratio; simple equations of one, two and three unknowns; indices; surds; easy quadratics of one and two unknowns.

Euclid. B. I, II, III.



## ENGLISH.

1. Composition:—Nothing but an essay will be required; this shall be dealt with rather as a test of the candidate's power of English Composition than as a proof of his knowledge of the subject written upon. Legible writing and correct spelling and punctuation will be regarded as indispensable, and special attention will be paid to the structure of sentences and paragraphs. The Examiner will allow a choice of subjects, some of which must be based on the following selections, with which the candidate is expected to familiarize himself by careful reading:—

- 1892. { Scott, Waverley.  
      { Ruskin, Sesame and Lilies.
- 1893. { Scott, The Talisman.  
      { Irving, The Sketch-Book.
- 1894. { Scott, Quentin Durward.  
      { Black's Life of Goldsmith.
- 1895. { Scott, Kenilworth.  
      { Goldwin Smith's Life of Cowper.

2. Grammar and Rhetoric:—The Examination will be chiefly on passages not prescribed. A liberal choice of questions will be allowed to the candidate.

3. Poetical Literature:—Intelligent comprehension of and familiarity with the prescribed texts will be required:—

- 1892. Tennyson:—Enid, The May Queen, Locksley Hall, Ulysses, St. Agnes, Sir Galahad, The Revenge, In the Children's Hospital, "You ask me why," Of old sat Freedom," "Love thou thy Land."
- 1893. Selections from Wordsworth, to be announced hereafter.
- 1894. Scott, Lady of the Lake.
- 1895. Tennyson:—The Holy Grail, Recollections of the Arabian Nights, The Poet, The Lady of Shalott, The Lotus-Eaters, The Voyage, The Day-Dream, Mort d'Arthur, The Brook.

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HISTORY AND GEOGRAPHY.

Great Britain and her Colonies from the Revolution of 1688 to the Peace of 1815, and the Geography relating thereto.

Outlines of Roman History to the death of Augustus, and the Geography relating thereto.

Outlines of Greek History to the battle of Chaeronea, and the Geography relating thereto.

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### PHYSICS.

An experimental course in (*a*) Dynamics, (*b*) Heat, (*c*) Electricity, including an acquaintance with the metric system of units. The course is defined as follows:—

*Dynamics* : Definitions of velocity, acceleration, mass, momentum, force, moment, couple, energy, work, centre of inertia, statement of Newton's laws of motion, composition and resolution of forces, conditions of equilibrium of forces in one plane.

Definitions of a fluid, fluid pressure at a point, transmission of fluid pressure, resultant fluid pressure, specific gravity, Boyle's law, barometer, air pump, water pump, siphon.

*Heat* : Effects of Heat, temperature, diffusion of heat, specific heat, latent heat, law of Charles.

*Electricity* : Voltaic cells, chemical action in the cell, magnetic effect of the current, chemical effect of the current, galvanometer, voltameter, Ohm's law, heating effect of the current, electric light, current induction, dynamo and motor, electric bell, telegraph, telephone.

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### CHEMISTRY.

Definition of the object of the Science, relations of the Physical Sciences to Biology, and of Chemistry to Physics. Chemical change, elementary composition of matter. Laws of combination of the elements, atomic theory, molecules, Avogadro's law. The determination of atomic weight, specific heat, atomic heat, nomenclature, classification. The preparation, characteristic properties, and principal compounds of the following elements : Hydrogen, Chlorine, Bromine, Iodine, Oxygen, Sulphur, Nitrogen, Phosphorus, Carbon, Silicon.

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### FRENCH.

Grammar.

Composition:—(*a*) Translation into French of short English sentences as a test of the candidate's knowledge of grammatical

forms and structure, and the formation in French of sentences of similar character; and (b) translation of easy passages from English into French.

Translation of unspecified passages from easy French authors.

An examination on the following texts:—

- |       |   |  |
|-------|---|--|
| 1892. | { | Sardou, La Perle noire.                  |
| 1895. | { | De Maistre, Voyage autour de ma chambre. |
| 1893. | { | De Peyrebrune, Les Frères Colombe.       |
|       | { | Feuillet, La Fée (Comédie).              |
| 1894. | { | Enault, Le Chien du capitaine.           |
|       | { | Daudet, La Belle Nivernaise.             |

## GERMAN.

Grammar.

Composition:—(a) Translation into German of short English sentences as a test of the candidate's knowledge of grammatical forms and structure, and the formation in German of sentences of similar character; and (b) translation of easy passages from English into German.

Translation of unspecified passages from easy German authors.

An examination on the following texts:—

- |       |   |  |
|-------|---|--|
| 1892. | { | Hauff, Das Kalte Herz; Khalif Storch.            |
| 1894. | { | Schiller, Die Burgschaft.                        |
| 1893. | { | Riehl, Culturgeschichtliche Novellen, Der stumme |
|       | { | Rathsherr; Der Dachs auf Lichtmess; Der Leib-    |
| 1895. | { | medicus.   |
|       | { | Schiller, Der Taucher.                           |

## ART. II HONOUR MATRICULATION.

*Candidates who intend to pursue an Honour Course in the University are recommended to take the Honour Matriculation in Latin, Greek or Moderns, and Mathematics.*

Candidates who have taken at least fifty per cent on the Honour Papers, at Matriculation, either in Latin, Greek (or Moderns), Mathematics, or English, are not required to take the University Junior Class in the subject.

*Subjects of Honour Matriculation.*

## LATIN.

1892. { Horace, Odes. I, II.  
Cicero, Pro Lege Manilia.  
Pro Archia.  
Pro Marcello.
1893. { Virgil, Æneid, III, IV.  
Cicero, Pro Lege Manilia.  
Pro Archia.  
Pro Marcello.
1894. { Virgil, Æneid, III, IV.  
Livy, Book XXI.
1895. { Horace, Odes, III, IV.  
Livy, Book XXI.

Translation at sight from Latin authors not specified.

Translation from English into Latin prose.

Latin Grammar.

## GREEK.

1892. { Homer, Odyssey, VII.  
Plato, Laches and Euthyphro.
1893. { Homer, Odyssey, IX.  
Plato, Laches and Euthyphro.
1894. { Homer, Odyssey, IX.  
Plato, Apologia, Crito.
1895. { Homer, Odyssey, XI.  
Plato, Apologia, Crito.

Translation at sight from Greek authors not specified.

Translation from English into Greek prose, involving a knowledge of Abbott's Arnold's Greek Prose Composition, or Fletcher and Nicholson's Greek Prose Composition.

Greek Grammar.

## MATHEMATICS.

Plane Trigonometry: Trigonometrical ratios with their relations to each other; sines, etc., of the sum and difference of angles with deduced formulas; solution of triangles; expressions for the area of triangles; radii of circumscribed, inscribed, and escribed circles.

Algebra: More thorough knowledge of the pass subjects, together with Variation, Progressions, Permutations, and Combinations, Binomial Theorem, Interest forms with Annuities.

Euclid, Bb. IV, VI, and Definitions of B. V.

Note.—Mathematical teachers are recommended to make their pupils acquainted with modern geometrical nomenclature, classification, and methods. Dupuis' Synthetic Geometry is suggested for reference. No examination, however, will be exacted.

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#### ENGLISH.

1. Grammar, Philology, Rhetoric, and Prosody:—The Examination will be chiefly on texts not prescribed, and will have relation to (1) the logical structure of the sentence, including the history of grammatical inflections; (2) the meanings and forms, both present and past, of words; (3) the elements and qualities of prose style; and (4) the structure of verse.

2. Poetical Literature:—Intelligent comprehension of and familiarity with the prescribed texts will be required.

3. Composition: An Essay. A liberal choice of subjects will be allowed.

1892. { Shakespeare, *The Merchant of Venice*.  
       { Chaucer, Prologue.

1893. { Shakespeare, *Macbeth*.  
       { Chaucer, Prologue.

1894. { Shakespeare, *Julius Cæsar*.  
       { Chaucer, Prologue.

1895. { Shakespeare, *Richard III.*  
       { Chaucer, Prologue.

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#### FRENCH.

Grammar.

Translation from English into French.

Writing easy French from dictation.

Translation of unspecified passages from modern French prose.

An examination on the following texts:—

1892. { Souvestre, Un Philosophie sous les toits.  
 1895. { Labiche, Le Voyage de Monsieur Perrichon.  
 1893. { Feuillet, Roman d'un jeune homme pauvre.  
 { Labiche, La Poudre aux yeux.  
 1894. { Erckmann-Chatrian, Madame Thérèse.  
 { Labiche, La Grammaire.

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### GERMAN.

Grammar.

Translation from English into German.

Writing easy German from dictation.

Translation of unspecified passages from modern German prose.

An examination of the following texts:—

1892. { Moser, Der Bibliothekar.  
 1894. { Schiller, Egmont's Leben und Tod.  
 { Auerbach, Auf Wache.  
 1893. { Freytag, Die Journalisten.  
 1895. { Schiller, Belagerung von Antwerpen.

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### CHEMISTRY.

Elementary Inorganic Chemistry: The Practical study of the following elements with their most characteristic compounds, in illustration of the outlines of Mendelejeff's classification of the elements: Hydrogen, Sodium, Potassium; Magnesium, Zinc; Calcium, Strontium, Barium; Boron, Aluminium; Carbon, Silicon, Tin, Lead; Nitrogen, Phosphorus, Arsenic, Antimony, Bismuth; Oxygen, Sulphur; Fluorine, Chlorine, Bromine, Iodine, Manganese; Iron, Gold, Platinum.

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### BIOLOGY.

1. Elements of Botany: The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated, and representatives of the chief subdivisions of Cryptogams, such as a fern, a lycopod, a horse-tail, a liverwort, a moss, a lichen, a mushroom, and a chara.

A knowledge of structure is required, such as can be obtained with the use of the compound microscope. Attention will be given in the Examination to drawing and description of parts of plants supplied, and to the classification



of these. Comparison of different organs, morphology of root, stem, leaves, and hair, parts of the flower, reproduction of flowering plants, pollination, fertilization, and the nature of fruits and seeds.

2. Elements of Zoology: Practical study of the subject as defined in *The High School Zoology*, but limited by the author's syllabus of the work.

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Examiners are recommended to allow a choice of questions on each subject.

The percentage required for pass standing will be 40 per cent on the whole examination, with a minimum of 25 per cent on each paper.

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### ART III. ONTARIO TEACHERS' CERTIFICATES.

Teachers' certificates which are of sufficiently recent date, will be accepted *pro tanto*, according to the following scheme :

SECOND CLASS. For matriculation in all the subjects covered by the candidate's certificate.

FIRST C. For the Junior Classes in the subjects covered by the candidate's certificate.

#### FIRST B AND FIRST A.

*Department of English and History.*

*First B*, for Junior and Senior English,  
and Junior and Senior History.

*First A*, for 1st year Honours in English,  
and 1st year Honours in History.

*Department of Mathematics.*

*First B*, for 1st year Honours.

*First A*, for 2nd year Honours.

*Department of Natural Science.*

*First B and First A*, for Junior and Senior Chemistry, Junior and Senior Natural Science, Junior Physics, and 1st year Honours in Natural Science.

*Department of Moderns.*

*First B*, for Junior Moderns,

*First A*, for Senior Moderns.

*Department of Classics.*

*First B*, for Junior and Senior Latin and Greek.

*First A*, for 1st year Honours in Latin and Greek.

## *MATRICULATION SCHOLARSHIPS.*

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A candidate must pass in English, Mathematics, Latin, and Greek (or Moderns), to be eligible for a Scholarship.

A Scholarship cannot be held without attendance on University Classes.

Successful candidates must make two-thirds of the number of marks allotted to the subject or subjects upon which the Scholarship is awarded.

The following, numbered from one to nine inclusive, will be awarded on the combined results of the Pass and Honour Departmental Examinations in July; those from ten to thirteen will be awarded on the Pass Departmental Examinations in July:

### 1. THE PRINCE OF WALES.

Endowed by H. R. H. the Prince of Wales. Value \$60. Awarded in English, Mathematics, Latin and Greek.

### 2. THE GOVERNOR GENERAL.

Given by His Excellency the Governor General. Value \$75. Awarded in Mathematics.

### 3. THE CHANCELLOR.

Given by Sandford Fleming, Esq., C.M.G., LL.D., Chancellor of the University. Value \$60. For general proficiency.

### 4. MACKERRAS MEMORIAL.

Founded in memory of the late Professor Mackerras. Value \$100. Awarded in Latin and Greek.

## 5. GUNN.

Given by Alexander Gunn, Esq., Kingston. Value \$100. For general proficiency.

## 6. LEITCH MEMORIAL NO. 1.

Founded in memory of the late Principal Leitch. Value \$57. Awarded in English and Moderns.

## 7. FORBES M'HARDY.

Founded by the late Forbes McHardy, Esq., Toronto. Value \$30, with exemption from Class fees for the year. For general proficiency.

## 8. SENATE NO. 1.

Exempts from Class and Registration fees for the four years course. For general proficiency.

## 9. WATKINS.

Founded by the late John Watkins, Esq., Kingston. Value \$70. For English, Mathematics, Latin and Greek (or Moderns), but tenable only by candidates who have spent one year at the Kingston Collegiate Institute.

## 10. THE MAYOR.

Given by the Mayor, Kingston. Value \$50. For general proficiency.

## 11-13. SENATE NOS. 2, 3 AND 4.

Exempt from Class and Registration fees for the four years course. For general proficiency.

## 14. MOWAT.

Founded by the late John Mowat, Esq., Kingston.  
Value \$50. Awarded on Arithmetic.

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*Special Scholarships and Exhibitions.*

## THE M'LENNAN GLENGARRY FOUNDATION FUND.

Four exhibitions have been established, in connection with this Fund, by R. R. McLennan, Esq., Alexandria. Value \$75 a year each, with exemption from class fees. They are awarded for general proficiency, and are tenable for four years, but only by candidates from the County of Glengarry. Competition for one of these will take place, annually, at the Matriculation examination, beginning with this year.

## MARION STEWART M'DONALD.

Founded by John S. McDonald, Esq., Fond du Lac, Wis. Value \$100. For general proficiency, but tenable only by candidates from Glengarry.

## M. C. CAMERON.

Founded by M. C. Cameron, Esq., Goderich. Value \$60. Given to the best Gaelic scholar, reader, or speaker. The examination takes place after the matriculation examination.

## ST. ANDREW'S CHURCH, RENFREW.


Awarded after the matriculation examination on the nomination of the Kirk-Session of Renfrew.

## *GENERAL ANNOUNCEMENTS.*

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QUEEN'S COLLEGE has, under its Royal Charter, "the style and privileges of a University."

The Fifty-second Session will open on Monday, the third of October, 1892.

 A compilation of statutes and by-laws containing information for students is published separately. Copies are to be obtained from the Registrar.

**BOARDING.**—No student is allowed to board or lodge in any house not approved of by the Senate, except by permission of parents or guardians given in writing. Information as to approved houses may be obtained from the Registrar.

**REGISTRATION.**—All students are required to have their names, with other particulars, entered in the University Register. At the time of Registration they must pay the required fees, or produce the Treasurer's receipt for them. They must also present a certificate of character from their clergyman or other competent person, and sign a declaration promising due obedience to the University authorities.

**ATTENDANCE AT CHURCH.**—All students are expected to attend the churches to which they profess to belong, and produce certificates of attendance from their clergymen when required.

**THE LIBRARY** contains about 20,000 volumes. Students are entitled to the use of it subject to by-laws.

THE OBSERVATORY.—In 1855 an Astronomical Observatory was founded by subscribers, aided by the City Corporation, and in 1861 was transferred by deed to the University. Facilities are given to students for obtaining a knowledge of Practical Astronomy.

THE MUSEUM.—Demonstrations are given to students of Natural Science. Friendly services towards the enlargement of the Museum are solicited.

ACADEMIC COSTUME.—All graduates and under-graduates, when attending class or any college meeting, shall wear the costume prescribed by the University.

Each degree has its distinctive hood, as follows:—B.A., black, bordered with red silk; M.A., Scarlet; D.Sc., black silk, lined with blue silk, bordered with white; M.D., scarlet, bound on the edge with white; B.D., white, with crimson plush border; D.D., black silk, with white silk lining; LL.B., blue, bordered with white fur; LL.D., black silk, lined with blue silk.

FEES.—Graduation Fees must be paid before Convocation Day; examination fees before April 8th; all other fees on or before University Day. Nominations cover only class fees.

|   |         |
|---|---------|
| The Classes of Chemistry and Physics, each per Session..... | \$12 00 |
| Analytical Chemistry.....                                   | 6 00    |
| Instruction in the Chemical Laboratory—                     |         |
| For a session of 6 months.....                              | 20 00   |
| “       “       3       “ .....                             | 12 00   |
| Instruction in the Physical Laboratory, per Session.....    | 10 00   |
| Instruction in Natural Science Laboratory.....              | 6 00    |
| Any other class, per Session.....                           | 6 00    |
| Registration, &c., per Session.....                         | 7 00    |
| “       for extra-mural students.....                       | 10 00   |
| Matriculation Examination.....                              | 5 00    |
| “       in Theology.....                                    | 2 00    |
| Pass Examination.....                                       | 3 00    |

|  |         |
|--|---------|
| Graduation Fee, Doctor of Science (D.Sc.)..... | \$50 00 |
| “ “ Doctor of Philosophy (Ph.D.).....          | 50 00   |
| “ “ Bachelor of Arts (B.A.).....               | 10 00   |
| “ “ Bachelor of Laws (LL.B.).....              | 10 00   |
| “ “ Doctor of Medicine (M.D.).....             | 25 00   |
| “ “ Master of Surgery (C.M.).....              | 5 00    |
| “ “ Master of Arts (M.A.).....                 | 20 00   |
| “ “ Bachelor of Divinity (B.D.).....           | 20 00   |
| Admission <i>ad eundem gradum</i> , B.A.....   | 20 00   |
| “ <i>ad eundem statum</i> .....                | 10 00   |

When an examination has to be taken a second time, the fee must be again paid.

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#### ART. IV. EXTRA-MURAL STUDENTS.

1. The Senate may, for special reasons, allow Extra-mural Students to come up for examination upon the work of the Pass or Honour courses without attendance upon classes; but, if candidates for a degree, they must before being registered pass the Matriculation, or an Examination accepted by the Senate as equivalent.

2. Extra-mural students must register before University-day (Oct. 16th), and obtain from the Registrar class tickets in the subjects upon which they propose to be examined in the following April or September. These tickets must be forwarded at once to the Professors of the respective classes.

3. The Senate may hold an examination in any locality on application from not less than five candidates who have complied with the above regulations.

4. Extra-mural students must write the essays and exercises prescribed, (See “Subjects of study for extra-mural students,”) and send them to the Professor of the subject at the dates specified.



Note. Extra-mural registration.

(1). Extra-mural students who have been unable to complete the year's work and take their examinations in the year of registration, may register again for the work of that year, on payment of half the usual fee (\$5.00).

(2). When a student has done the regular work of the session, but has been unable to take the examination, or has failed in his examination, he may write without additional registration on paying the examination fee (\$3.00).

(3). Extra-mural students, taking only French or German, or one subject in Natural Science, may register on payment of five dollars.

5. Classes will be held in the University in July and August, in any subject in which at least ten candidates present themselves. The fee for each class will be \$10. Candidates must send in their names and pay the fees to the Registrar before June 1st. The University will send a lecturer, on any subject of the course, in May and June, to any centre in Ontario or Quebec where a sum of \$200 is guaranteed before April 15th.

*Special Provisions for the North-West Territories.*

The Senate will hold examinations in the North-West Territories, provided that all expenses be paid, and that not less than three candidates apply for examination at the same place.

The Board of Education for the North-West Territories has been requested to name suitable persons as presiding examiners, to whom the sealed papers may be sent.

Extra-mural students in the North-West Territories will be required to conform to the above regulations, 1, 2 and 4.

**ART. V. COURSE LEADING TO THE DEGREE OF B.A.**

The course for students, after Matriculation, extends over four sessions. But students who take the Honour Matriculation in Latin, Greek or Moderns, Mathematics, and English may complete their course in three years.

Pass and Honour Examinations are held annually in April, and Pass Examinations in September also.

The degree of B.A. will be conferred on candidates who take second-class Honours in any of the Honour courses, or who take either of the following courses :

**COURSE I.**

Junior and Senior Latin, Junior and Senior Greek or Moderns, Junior and Senior English, Junior and Senior Philosophy, Junior and Senior Mathematics, Junior and Senior Physics, together with any two of the following:

(1) Junior and Senior History, (2) Junior and Senior Political Science, † (3) Junior and Senior French, † (4) Junior and Senior German, (5) Junior and Senior Chemistry, (6) Junior and Senior Natural Science, (7) Hebrew. First year Honours in (8) Latin, (9) Greek, (10) Moderns, (11) Philosophy, (12) English, (13) Mathematics, or (14) Physics.

**COURSE II.**

Junior Latin, Junior Greek or Moderns, Junior and Senior English, Junior and Senior Philosophy, Junior and Senior Mathematics, Junior and Senior Physics, together with any four of the following:

(1) Senior Latin, (2) Senior Greek or Moderns, (3) Junior and Senior History, (4) Junior and Senior Political Science, (5) Junior and Senior Chemistry, (6) Junior and Senior Natural Science, (7) Hebrew. First year Honours in (8) Mathematics, (9) Physics, (10) Latin, (11) Greek, (12) Moderns, (13) English, (14) Philosophy, or (15) Chemistry.

NOTE.—Senior French will be accepted instead of Junior German, and Senior German instead of Junior French.

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†Only for those who have not yet taken them.

No student is allowed to take a Senior class before passing the Junior in the same subject.

The classes of the B.A. course may be taken in any consistent order, but students are recommended to take the classes in English, Classics, and Mathematics in the first two years of their course.

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**ART. VI. COURSE OF STUDY LEADING TO THE  
DEGREE OF M.A.**

*Students who intend to qualify for High School Teachers are recommended to take a course leading to the degree of M.A.*

The degree of M.A. is conferred on students who take first-class Honours in one of the following courses :

- Course 1—Latin and Greek.
- “ 2—Latin and Moderns.
- “ 3—English and Moderns.
- “ 4—English and History.
- “ 5—History and Moderns.
- “ 6—English and Political Science.
- “ 7—History and Political Science.
- “ 8—Mental and Moral Philosophy.
- “ 9—Pure Mathematics, Physics, and Prac. Astronomy.
- “ 10—Mathematics, Physics, and Descriptive Astronomy.
- “ 11—Chemistry and Experimental Physics.
- “ 12—Chemistry and either Botany, Zoology, or Geology.
- “ 13—General Biology (including Botany and Zoology)  
and Geology.
- “ 14—Chemistry, Botany, and Zoology.

Course 9 comprises—All the Mathematics of the Honour course, together with 1st Honour Physics and Practical Astronomy.

Course 10 comprises—1st and 2nd Honour Mathematics, 1st and 2nd Honour Physics, and General Astronomy.

Course 11 comprises—Honour Chemistry and work in Physical Laboratory.

Course 14 comprises—First year Honours in Chemistry, Botany and Zoology, with second year Honours in any two.

In addition to his Honour course, a candidate must take the following classes of the B.A. course :

With Course 1, 2, 3, or 8,

Junior and Senior Latin, Junior and Senior Greek or Moderns,  
Junior and Senior English, Junior and Senior Philosophy,  
Junior Mathematics.

With Course 4 or 5,

Junior and Senior Latin, Junior and Senior Greek or Moderns,  
Junior and Senior English, Junior and Senior History, Junior  
and Senior Philosophy, Junior Mathematics.

With Course 6 or 7,

Junior and Senior Latin, Junior Greek or Moderns, Junior and  
Senior English, Junior and Senior History, Junior and Senior  
Political Science, Junior and Senior Philosophy, Junior  
Mathematics.

With Courses 9 or 10,

Junior Latin, Junior Greek or Moderns, Junior and Senior  
English, Junior Philosophy, Junior and Senior Mathematics,  
Junior and Senior Physics.

With Course 11,

Junior Latin, Junior Greek or Moderns, Junior and Senior  
English, Junior and Senior Philosophy, Junior and Senior  
Mathematics, Junior and Senior Physics, Junior and Senior  
Chemistry.

With Course 12,

Junior Latin, Junior Greek or Moderns, Junior English, Junior  
Philosophy, Junior and Senior Mathematics, Junior Physics,  
Junior and Senior Chemistry, Junior and Senior Natural  
Science, and either Senior English or Senior Philosophy.

With Course 13,

Junior Latin, Junior Greek or Moderns, Junior English, Junior  
Philosophy, Junior and Senior Mathematics, Junior Physics,  
Junior Chemistry, Junior and Senior Natural Science, and  
either Senior English or Senior Philosophy.

With Course 14,

Junior Latin, Junior Greek or Moderns, Junior English, Junior Philosophy, Junior and Senior Mathematics, Junior Physics, Junior and Senior Chemistry, Junior and Senior Natural Science.

NOTE.—Senior French will be accepted instead of Junior German, and Senior German, instead of Junior French.

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**ART. VII. DEGREES OF DOCTOR OF PHILOSOPHY (Ph.D.)  
AND DOCTOR OF SCIENCE (D.Sc.)**

1. Candidates for these degrees must have previously taken the degree of M.A. in the subjects they propose to offer, or must satisfy the Senate of their ability to proceed with the course.

2. Neither of these degrees can be obtained in less than four years from the date of graduation as M.A.

3. Candidates must give notice in writing to the Senate of the course they intend to take, at least two years before they present themselves for examination.

4. All candidates must submit a thesis on some subject connected with their special course, embodying the results of original investigation.

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**DOCTOR OF LAWS (LL.D.)**

This degree is honorary, and is awarded for literary, scientific, or professional distinction.

# SUBJECTS OF STUDY FOR B.A. AND M.A.

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## LATIN.

*Professor:* J. Fletcher, M.A., Oxon.

*Asst.-Professor:* Rev. A. B. Nicholson, B.A.

*Tutor:* D. R. Drummond, M.A.

### JUNIOR CLASS.

Latin Grammar (Allen & Greenough).

Latin Composition (Bradley's Arnold, Ex. 1-45. Translation into Latin of simple English based on the prescribed book of Livy).

Translation of simple Latin at sight.

Livy, B. XXII.

Horace, *Odes*, B. III, IV (Page).

### SENIOR CLASS.

Latin Grammar.

Latin Composition (Bradley's Arnold. Translation into Latin of simple English based on the prescribed Cicero).

Translation of simple Latin at sight.

Cicero, *Pro Murena*.

*Pro Marcello*.

*Philippic XIV* (Harper's text).

Vergil, *Æneid*, B. VII, VIII (Sidgwick).

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## HONOURS.

### *First Year.*

(This class may be taken as a Pass class).

Latin Grammar and Composition.

Translation from authors not specified.

Roman Literature (Cruttwell).

Terence, *Phormio* (Bond & Walpole).

Vergil, *Æneid*, B. IX, X (Sidgwick).

Horace, *Odes* (Page).

Cicero, *Pro Milone* (Purton).

*Pro Ligario*.

*Pro Deiotaro*.

Tacitus, *Annals*, B. I (Furneaux).

*Final Examination.*

Tacitus, *Annals*, B. I.  
 Livy, B. XXI.  
 Cicero, *De Natura Deorum*, B. II.  
     *Pro Milone* (Purton).  
     *Philippic I.*  
     *Philippic II* (Mayor).  
     *Philippic XIV.*  
     *Pro Ligario.*  
     *Pro Marcello.*  
     *Pro Deiotaro.*  
     *Pro Murena* (Heitland).  
 Lucretius, B. III (Lee).  
 Vergil, *Bucolics.*  
     *Georgics.*  
     *Æneid.*  
 Plautus, *Trinummus* (Sloman).  
 Terence, *Phormio.*  
 Horace, *Odes and Satires.*  
 Juvenal, *Satires*, III, VII, VIII, X (Hardy).  
 Roman Literature (Cruttwell).  
 Latin Grammar and Composition.  
 Translation from authors not specified.

Candidates must also take the Roman History paper of the class in Junior History (Calendar, p. 35).

**GREEK.**

*Professor:* Rev. J. MacNaughton, M.A.  
*Asst.-Professor:* Rev. A. B. Nicholson, B.A.  
*Tutor:*.....

**JUNIOR CLASS.**

Greek Grammar.  
 Greek Composition (Text-book : *Fletcher and Nicholson's Elementary Greek Prose Composition*).  
 Translation from authors not specified.  
 Plato, *Apology.*  
 Homer, *Odyssey*, B. IV, V.

**SENIOR CLASS.**

Thucydides, B. III.  
 Sophocles, *Electra.*  
 Greek Grammar and Composition.  
 Translation from authors not specified.



## HONOURS.

*First Year.*

Thucydides, B. II.  
 Homer, *Odyssey*, B. I-III.  
 Euripides, *Medea*.  
 Sophocles, *Œdipus Rex*.  
 Aristophanes, *Clouds*.

*Final Examination.*

Herodotus, B. VIII.  
 Thucydides: Two books.  
 Demosthenes, *De Corona*.  
 Aristotle, *Ethics*, B. I, II, X.  
 Plato, *Republic*, B. I, II, III, IV.  
 Homer, *Odyssey*, B. I-XII.  
 Æschylus, *Agamemnon*.  
                   *Prometheus*.  
 Sophocles: Two Plays.  
 Euripides, *Medea*.  
 Aristophanes, *Clouds*.  
 Pindar, *Isthmia*.  
 Greek Grammar and Composition.  
 Translation from authors not specified.

## Books recommended :

Mahaffy's Greek Literature.  
 Jevons' Greek Literature.  
 Goodwin's Greek Grammar.

Candidates for Honours must also take the paper on Greek History of the Junior History class (Calendar, p. 35).

**COMPARATIVE PHILOLOGY AND SANSKRIT.**

*Lecturer:* Rev. A. B. Nicholson, B.A.

1. A Course of Lectures on Greek and Latin Philology (one hour a week).

For reference : Henry's Compar. Grammar of Greek and Latin.

Brugmann's Compar. Grammar.

This course is taken by first year Honour men in Classics.

## 2. Elements of the Sanscrit Language.

Text-books: Perry's Sanscrit Primer.  
 Whitney's Sanscrit Grammar.  
 Lanman's Sanscrit Reader.

Students in Honours taking this course will be exempted from one Greek and one Latin author.

**MODERNS.**

*Professor:* John Macgillivray, Ph.D. (Leipsic).

*Tutor:* James O'Shea, B.A.

1. *German.*

## JUNIOR CLASS.

Riehl, Novellen: Der Stumme Ratsherr, Der Dachs auf Lichtmess (John Henderson & Co.)

Marg. von Bülow, Novellen: Gebunden, Gabriel.

Grillparzer, Sappho.

Uhland, Balladen (Macmillan & Co.)

Translation from authors not specified.

Grammar (Whitney).

Writing German from Dictation.

Oral and Written Composition.

## SENIOR CLASS.

Putlitz, Novellen: Ricordo, Die Frau Meisterin.

Benedix, Dr. Wespe, Das bemooste Haupt.

Th. Storm, Der Schimmelreiter.

Chamisso, Peter Schlemihl.

Translation from authors not specified.

Translation into German (Otto, Materials for translating English into German, 1st Part).

Writing German from Dictation.

Oral and Written Composition.

## HONOURS.

*First Year.*

Lessing, Minna von Barnhelm.

Goethe, Iphigenie auf Tauris.

Schiller, Die Jungfrau von Orleans.

Gutzkow, Zopf und Schwert.

Translation from authors not specified.

Translation into German (Otto, 1st Part).

Writing German from Dictation.

Oral and Written Composition.

History of German Literature of the 18th and 19th centuries (Conant).

*Second Year.*

Gottschall, Katharina Howard, Die Diplomaten.

Ebers, Die Frau Bürgermeisterin.

Freytag, Soll und Haben.

Scheffel, Ekkehard, Der Trompeter von Säkkingen.

*Third Year.*

Lessing, Minna von Barnhelm, Nathan der Weise.

Goethe, Faust, Egmont, Torquato Tasso, Die Leiden des jungen Werthers.

Schiller, Cabale und Liebe, Don Carlos, Wallenstein, Maria Stuart, Die Jungfrau von Orleans.

Deutsches Balladenbuch (Simonson).

Old German Texts: Gothic, Matt. 5-7, Mark 1, Skereins, 49, 50 (Braune's Gothische Grammatik); Old High German, Musspili, Das Ludwigslid, Otfrid (Wright's Old High German Primer); Middle High German, Hartman von Ouwe, Walter von der Vogelweide, Das Nibelungenlied (Wright's Middle High German Primer).

History of the German Language (Behagel).

History of German Literature (Kluge).

Translation into German (Otto).

Oral and Written Composition.

*2. French.*

JUNIOR CLASS.

Ferdinand Fabre, L'Abbé Roitelet.

Peyrebrune, Les Frères Colombe } (Gage & Co.)

Feuillet, La Fée.

Halévy, L'Abbé Constantin.

Grammar (Whitney).

Translation from unspecified authors.

Writing French from Dictation.

Oral and Written Composition.

SENIOR CLASS.

Prosper Mérimée, Colomba.

About, Le Roi des montagnes.

Augier, La Pierre de touche.

Victor Hugo, Ruy Blas.

Translation from unspecified authors.

Translation into French (Roulier's Composition, 2nd Part).

Writing French from Dictation.

Oral and Written Composition.

### HONOURS.

#### *First Year.*

La Fontaine, Fables, Bks. I-III.

Molière, Le Misanthrope.

Beaumarchais, Le Barbier de Séville.

Ponsard, L'Honneur et l'argent.

George Sand, La Mare au diable (Macmillan & Co.)

Translation from unspecified authors.

Translation into French (Roulier, 2nd Part).

Writing French from Dictation.

Oral and Written Composition.

History of French Literature during the 17th, 18th and 19th centuries, with the outlines of the preceding periods.

#### *Second Year.*

Alphonse Daudet, Le Petit chose.

Pierre Loti, Pêcheurs d'Islande.

Erckmann-Chatrian, Histoire d'un paysan.

About, Roman d'un brave jeune homme.

Balzac, Eugénie Grandet.

#### *Third Year.*

Corneille, Cinna, Pompée, Polyeucte, Horace.

Racine, Mithridate, Athalie, Iphigénie.

Molière, Le Dépit amoureux, Le Bourgeois gentilhomme,  
Le Misanthrope.

La Fontaine, Fables.

Voltaire, La Mort de César, Mahomet, Mérope.

Chateaubriand, Atala, René, Les Martyrs.

Victor Hugo, Ruy Blas, Cromwell, Orientales, Notre Dame  
de Paris.

Alfred de Vigny, Cinq-Mars.

Old French Texts : Vie de Saint Alexis, Chanson de Roland, Huon de Bordeaux, Le Chevalier au Lion, Villehardouin (Clédat, Morceaux choisis des auteurs français du moyen âge).

History of the French Language (Brachet).  
 History of French Literature (Petit de Julleville).  
 Translation into French (Roulier).  
 Oral and Written Composition.

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### 3. *Italian.*

HONOURS.

*Second Year.*

De Amicis, Alberto, Un Incontro (Jenkins).  
 Del Testa, Le Coscienze Elastiche (Veit & Co., Leipsic).  
 Grammar (Grandgent).  
 Translation into Italian (Grandgent's Italian Composition).

*Third Year.*

Carcano, La Nunziata.  
 L. Marengo, Perché al cavallo gli si } (Veit & Co., Leipsic)  
                   guarda in bocca?  
 Tasso, La Gerusalemme Liberata, I-II.  
 Dante, Inferno, I-VII.  
 Grammar.  
 Translation into Italian.  
 History of Italian Literature in outline.

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## ENGLISH LANGUAGE AND LITERATURE.

*Professor* : James Cappon, M.A.

*Tutor* : John Marshall, M.A.

### JUNIOR CLASS.

1. Practical course in Rhetoric and Composition.
2. Lectures on style in connection with the study of passages from Bacon, Jeremy Taylor, Sir Thomas Browne, Addison, Johnson, Burke, Macaulay.
3. A detailed study (in class) of the following works:  
     Chaucer, Prologue to Canterbury Tales.  
     Shakespeare, Julius Cæsar.  
     Burke, Reflections on the French Revolution.
4. Development of poetry and poetic forms from Chaucer to Shakespeare.

### SENIOR CLASS.

#### I.

1. A critical study (in class) of the following works:  
     Shakespeare, Richard II.  
     Milton, Paradise Lost, B. I.

## II.

2. History of English Literature from 1660 to 1800.
3. A critical study (in class) of the following works:
  - Dryden, *Absalom and Achitophel*, Part I, Alexander's Feast.
  - Pope, *Essay on Man*.
  - Goldsmith, *Deserted Village*.
  - Gray, *Elegy*, Ode on Eton College.
  - Johnson, *Vanity of Human Wishes*, *Life of Dryden*.
  - Gibbon, *Decline and Fall*, Chap. XXXV.
  - Crabbe, *The Village*.
  - Burns, *Word's Selections in "The English Poets."*

In addition an acquaintance with the following works is required :

- Addison, *Selections from Papers in the Spectator* (Macmillan & Co).
- Pope, *Rape of the Lock*.
- Goldsmith, *Vicar of Wakefield*.
- White, *Natural History of Selborne*, Letters I to XX.
- Cowper, *The Task*, Book VI.

## III.

1. A critical study (in class) of the following works :
  - Wordsworth, *Solitary Reaper*, *The Cuckoo*, *Ruth*, *Song at Feast of Brougham Castle*.
  - Carlyle, *Essay on Burns*.
2. Lectures on the History of the English language (Macmillan).
3. Specimens of Early English (Morris & Skeat). Extracts I, III, IX, X, XV.

## HONOURS.

*First Year.*

1. The study of Anglo-Saxon (Sweet's *Anglo-Saxon Reader*, Introduction and Specimens, I, II, VIII, IX, X, XV, XXI, XXVI, XXVIII).
2. Lectures on Early English Literature.

*Second Year.*

- Tennyson, *Alymer's Field*.
- Byron, *Bride of Abydos*.
- Wordsworth, *The Prelude*, Selections as found in *Golden Treasury Series*.
- Coleridge, Shelley, Keats. (Ward's Selections in "The English Poets").

Browning, (*a*) Grammarian's Funeral, Andrea del Sarto, Fra Lippo Lippi, Pictor Ignotus, The Bishop orders his Tomb, Bishop Blougram, How It Strikes a Contemporary, Epistle of Karshish, Cleon, A Soul's Tragedy; (*b*) Abt Volger, Saul, A Toccata of Galuppi's, The Laboratory, The Glove, Dis Aliter Visum, Youth and Art, Waring, The Englishman in Italy.

Arnold, On Translating Homer; Essays on Wordsworth and Byron (Essays in Criticism, Second Series).

Carlyle, Sartor Resartus.

*Third Year.*

Scott, Old Mortality, Guy Mannering.

Thackeray, The Newcomes.

Hawthorne, House of the Seven Gables, Twice-Told Tales.

Emerson, The method of Nature (Essays): Representative Men.

Carlyle, Essay on Johnson, on Goethe's Works.

Browning, The Ring and the Book.

Arnold, Essays in Criticism (First Series).

A general knowledge of the following works is required for the final examination in Honours :

Macaulay, Essays from the Edinburgh Review; Comic Dramatists of the Restoration, Horace Walpole.

Lowell, My Study Windows.

Stedman, Victorian Poets.

Dowden, Studies in Literature.

Sainte-Beuve, Causeries du Lundi, vol. I.

Edmond Scherer, Etudes sur La Littérature Contemporaine, vol. 1.

Carlyle, Life of John Sterling.

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*For Extra-mural Students.*

*First Year Pass.*

Subjects of study the same as those for intra-mural students.

*Second Year Pass.*

Subjects of study the same as those for intra-mural students.



## HONOURS.

The subjects of study for Honours are the same as those for intra-mural students. A corresponding class will be formed for the purpose of assisting the extra-mural students in this department, and in connection with it, a special course of lectures will be given. The course, of which a synopsis is given below, will consist of extracts from Professor Cappon's lectures, selected chiefly for the purpose of suggesting methods of analysis and criticism. This course is voluntary, and a corresponding tutor has been appointed to communicate with extra-mural students who may wish to take it. A written copy of each of the lectures will be sent to the student every fortnight, and an exercise will be prescribed which the student must write and forward to the tutor within the same period.

A special fee of ten dollars will be charged for this course.

## WORDSWORTH.

1. Style in relation to thought and life. The problems of criticism. Wordsworth's theory of poetic diction. Analysis of the Artificial Style and the New Style. Illustrations.
2. Wordsworth's Development. Psychological analysis of the *Prelude*. Wordsworth's strengths and defects.
3. Criticism of *Ruth*, *The Solitary Reaper*, and other poems. Wordsworth's revelation of nature. Wordsworth as an interpreter of human life.
4. Philosophic basis of the poetic interpretation of nature. Wordsworth and Shelley compared from this point of view.

## SHELLEY.

5. Critical analysis of the *Ode to the West Wind* and *The Sensitive Plant*. Want of organisation in Shelley's thought. Characteristics of his style.

## BROWNING.

6. Introductory remarks. Analysis of *The Grammarian's Funeral*. Browning's interpretation of life.

7. Analysis of *Andrea del Sarto*. The leading ethical principle in Browning. Illustration from various poems.
8. Browning on the artistic side. The lyrical and dramatic standards in rhythm. Illustrations.
9. Quality and range of Browning's dramatic power. His development of dramatic methods. The dramatic monologue.

#### THE NOVELISTS.

10. The Novel as a form of literary art. Descriptive and dramatic elements. Scott and Hawthorne as types.
11. The Morality of Art. Ethical value of the work of Scott and Hawthorne.
12. Critical and ethical tests. Illustrations from *Old Mortality* and *The House of the Seven Gables*. Constructive art. Dramatic art. Reflective power. Style.

#### CRITICAL METHODS AND ILLUSTRATIONS.

13. *Rhythm*. Methods of Analysis. Notes on the development of blank verse, Surrey, Marlowe, Shakespeare, Milton; or, Rhythmic development from Shakespeare to Pope.
14. *Diction*. Methods of analysis and illustrations. Johnson, Burke, Carlyle.

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### HISTORY.

*Professor:* Rev. Geo. D. Ferguson, B.A.

JUNIOR CLASS.

*Ancient History.*

Lectures on :

The development of early civilization.

The Doric and Ionic migrations.

The constitutions and political development of the Greek states.

The Macedonian Kingdom and the Conquests of Alexander.

The Roman Constitution.

The Roman Municipia.

A comparison of Greek and Roman civilization.

Causes of the fall of the Roman Empire.

Students will also be examined on :

Rawlinson's Manual of Ancient History.

## Books recommended to be read :

|   |                                   |
|---|-----------------------------------|
| Fustel de Coulanges, La cité antique.       |                                   |
| Grote's History of Greece.                  |                                   |
| Curtius' History of Greece.                 |                                   |
| Mommsen's History of Rome.                  |                                   |
| Ihne's History of Rome.                     |                                   |
| Curteis' The Rise of the Macedonian Empire. | } Epochs of<br>History<br>Series. |
| Beesly's The Gracchi, Marius and Sulla.     |                                   |
| Merivale's The Roman Triumvirates.          |                                   |

## SENIOR CLASS.

*Modern History.*

## Lectures on :

The Study of History; its methods and purposes.  
 The Rise of Modern European Nations.  
 The Feudal System.  
 The Growth of the Towns in the Middle Ages.  
 Commerce in the Middle Ages and the Hanse Towns.  
 The Crusades and their influence on Europe.  
 Development of Representative Government.  
 The development of Monarchy.  
 The state of Europe before the French Revolution.  
 The British Constitution.  
 The Constitution of the United States.

## Students will also be examined on :

Hallam's Middle Ages and Bourinot's Constitution of Canada.

## Books recommended :

Guizot's History of Modern Civilization.  
 Guizot's History of France.  
 Green's History of the English People.  
 Bryce's Holy Roman Empire.  
 Freeman's Growth of the English Constitution.  
 Kingsford's History of Canada.

Fortnightly Essays are required.

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*For Extra-mural Students.*

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FIRST YEAR PASS.*Ancient History.*

Text-book: Rawlinson's Manual of Ancient History.

Students are also required to make themselves familiar with the following books, and to write essays in connection with them, which have to be given in at the times stated :

The Athenian Empire, by Sir G. W. Cox.

*Essay:* The Athenian Supremacy. Nov. 2nd.

The Spartan and Theban Supremacies, by Charles Sankey.

*Essay:* The state of Greece at the Peace of Antalcidas, Nov. 23rd.

The rise of the Macedonian Empire, by Arthur M. Curteis.

*Essay:* The condition of Greece and of the East from the death of Alexander to the battle of Ipsus. Dec. 14th.

Early Rome, by W. Ihne.

*Essay:* The Roman Comitia. Jan. 11th.

The Gracchi, Marius and Sulla, by A. H. Beesly.

*Essay:* The Agrarian Laws. Feb. 2nd.

The Roman Triumvirates, by Chas. Merivale.

*Essay:* A comparison of Caesar and Pompey. Feb. 28th.

The Early Roman Empire, by W. W. Capes.

*Essay:* The condition of the Municipia from Augustus to Constantine. March 21st.

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SECOND YEAR PASS.*Modern History.*

Text-book: Hallam's Middle Ages.

The following books are also to be studied, and Essays to be written in connection with them, and sent in at the dates prescribed :

The Beginning of the Middle Ages, by The Very Rev. R. W. Church,

*Essay*: The condition of France under Charlemagne, socially, politically, and in regard to learning. Nov. 2nd.

The Crusades, by Sir G. W. Cox, M.A.

*Essay*: The effects of the Crusades on Feudalism. Nov. 23rd.

The Early Plantagenets, by Rev. W. Stubbs, D.D., Bishop of Chester.

*Essay*: The constitutional changes made in the reign of Henry II. Dec. 14th.

The Puritan Revolution, by J. Langton Sanford.

*Essay*: The state of parties at the time of the Puritan Revolution. Jan. 7th.

The age of Anne, by Ed. G. Morris, M.A.

*Essay*: The accession to power of the Whigs. Jan. 31st.

The Thirty Years' War, by Samuel Rawson Gardiner.

*Essay*: The character of Gustavus Adolphus. Feb. 21st.

The French Revolution and First Empire, by Wm. O'Connor Morris.

*Essay*: The causes of the Revolution. March 16th.

The Epoch of Reform, by Justin McCarthy.

*Essay*: The development of the principle of responsibility of Ministers during that period. April 4th.

The books here prescribed belong to the "Epochs of History" series.

#### HONOURS.

##### *First Year.*

Lectures on the general principles of Government.

Students will also be examined on :

Stubbs' Constitutional History of England, vols. I, II and III..

Gneist's English Constitution.

Guizot's Representative Government.

Rousseau's Social Contract.

Mill's Representative Government.

## Books recommended :

Machiavelli's Prince.  
 Dicey's The Law and the Constitution.  
 Hearn's Government of England.  
 Kemble's Anglo-Saxons in England.

*Second Year.*

Lectures: (a) A comparison of the British Constitution with other constitutions, especially with that of the United States; (b) On the government of Colonies.

## Students will also be examined on :

Hallam's Constitutional History of England.  
 May's Constitutional History.  
 Bryce's American Commonwealth.  
 Bagehot's English Constitution.  
 Houston's Constitutional Documents of Canada.

## Books recommended :

Todd's Parliamentary Government in England.  
 Todd's Parliamentary Government in the British Colonies.  
 De Tocqueville's Democracy in America.

Fortnightly essays are required.

**MENTAL AND MORAL PHILOSOPHY.**

*Professor of Moral Philosophy* : John Watson, M.A., LL.D.

*Professor of Mental Philosophy* : S. W. Dyde, D.Sc.

**JUNIOR CLASS—Professor Dyde.**

Lectures on the History of Greek Philosophy, with study of Plato's Theætetus and Aristotle's Ethics (Peters' translation). This class meets on Monday, Wednesday and Friday. Attendance is compulsory. All students must do the exercises and essays prescribed.

Critical study of James' Psychology (American Science Series, Briefer Course). Tuesday. Attendance voluntary.

Question Class. Thursday. Attendance voluntary.

## SENIOR CLASS—Professor Watson.

Critical study of The Philosophy of John Stuart Mill (Watson's Selections).

Lectures on the principles of Ethics. Tuesday and Thursday. Attendance is compulsory.

## FIRST HONOUR CLASS—Professor Watson.

Critical study of the Philosophy of Kant.

Text-books: Watson's Selections from Kant, and Caird's Critical Philosophy of Immanuel Kant.

## SECOND HONOUR CLASS—Professor Watson.

This class is intended mainly for the independent investigation by students of philosophical systems and theories.

## SPECIAL HONOUR CLASSES.

- (a) Critical study of Plato's Republic. Professor Dyde.
- (b) Critical study of Spinoza's *Ethica*. Professor Watson.
- (c) Study of Hegel's *Philosophie des Rechts*. Professor Dyde.
- (d) Lectures on the development of Philosophy. Professor Watson.

## HONOURS.

*Mental Philosophy.*

Candidates will be examined on the following books :

- Plato's Republic and Theætetus.
- Aristotle's De Anima.
- Descartes' Discourse on Methods and Meditations.
- Locke's Essay on Human Understanding.
- Berkeley's Philosophical Writings (Fraser).
- Hume's Treatise on Human Nature, Vol. I, with Green's Introduction (Green and Grose's edition).
- Kant's Critique of Pure Reason and Prolegomena.
- Mill's System of Logic.
- James' Principles of Psychology.

*Moral Philosophy.*

Candidates will be examined on the following books :

- Aristotle's Nichomachean Ethics.
- Spinoza's Ethics and De Intellectus Emendatione.



Hume's Treatise on Human Nature, Vol. II., with Green's Introduction (Green and Grose's edition).  
 Kant's Critique of Practical Reason (Abbott).  
 Hegel's Philosophy of History.  
 Mill's Utilitarianism.

Candidates are expected to read such books as Herbert Spencer's First Principles and Data of Ethics, Green's Philosophical Works, Wallace's Logic of Hegel, E. Caird's Critical Philosophy of Immanuel Kant, and Social Philosophy and Religion of Comte, Bradley's Principles of Logic, and J. Caird's Spinoza.

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*For Extra-mural Students.*

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*First Year Pass.*

Students are expected to show familiarity with the substance of the books mentioned below. They are recommended to take up the work in the following order :

1. Schwegler's History of Philosophy, I-XI.  
 Ferrier's Lectures on Greek Philosophy, pp. 1-209.  
*Essay* for 15th Oct. : A comparison of the doctrines of Heraclitus and Parmenides.
2. Schwegler's History of Philosophy, XII-XIII.  
 Ferrier's Lectures on Greek Philosophy, pp. 210-303.  
*Essay* for 1st Nov. : The Minor Socratic Schools.
3. Zeller's Plato and the Older Academy.  
 Schwegler's History of Philosophy, XIV.  
 Ferrier's Lectures on Greek Philosophy, pp. 304-365.  
*Essay\** for 22nd Dec. : Plato's Theory of Education.
4. Aristotle Nicomachean Ethics (Peter's translation).  
 Schwegler's History of Philosophy, XVI.  
 Ferrier's Lectures on Greek Philosophy, pp. 366-419.

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\*Nettleship's article on "Plato's Theory of Education" in Hellenica (Rivingtons) is very valuable, but a knowledge of it will not be required.

*Essay* for 1st Feb. : The Relation of Aristotle's Ethics to his Psychology.

5. Schwegler's History of Philosophy, XVII-XXVI.\*

*Essay* for 15th Feb. : The Principles of the Cartesian Philosophy.

6. Schwegler's History of Philosophy, XXVII-XXXV.

Fraser's Selections from Berkeley.

Fraser's Berkeley (Blackwood's Philosophical Classics).

*Essay* for 15th March : The Development of the Philosophy of Berkeley.

These Essays are to be sent to Professor Dyde.

#### *Second Year Pass.*

Students are required to show an intelligent comprehension of Green's Prolegomena to Ethics, J. S. Mill's Utilitarianism and Herbert Spencer's Data of Ethics. They are requested to communicate, not later than 16th October, with Professor Watson, who will prescribe the exercises and essays required.

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### **POLITICAL SCIENCE.**

*Professor* : Adam Shortt, M.A.

Students are recommended to take the class of Junior Philosophy not later than that of Junior Political Science.

#### **JUNIOR CLASS.**

The lectures will include a discussion of the general principles of Political Economy.

Text-book for general reference : Walker's Political Economy.

#### **SENIOR CLASS.**

The lectures will include a critical examination of the

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\*See also Caird's article, "Cartesianism," in the Encyclopædia Britannica.

leading theories of the State, and a discussion of the nature of Social and Political Relations.

In both classes fortnightly essays will be required. Books for reference will be announced along with the subjects of essays.

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*For Extra-mural Students.*

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JUNIOR CLASS.

*Political Economy.*

Candidates will be examined on the following books :

Marshall's Economics of Industry.  
 Jevons' Money and Mechanism of Exchange.  
 Toynbee's Industrial Revolution.

*Essays :*

- Oct. 12, 1892—The interdependence of the three elements of Production; Land, Labor, and Capital. Marshall, Book I. Toynbee.
- Nov. 2, “ The various conditions of Value and its relation to Price. Marshall, Bk. II, chaps. 1, 2, 5, 13 ; Jevons, chap. 2 ; Toynbee.
- Nov. 23, “ Rent, its nature and the conditions on which it depends. Toynbee, chap. 12 ; Marshall, Book II, chaps. 3 and 4.
- Dec. 14, “ Trade Unions and their influence. Marshall, Book II, chaps. 5 to 8 ; Toynbee, chaps. 11 and 14.
- Jan. 24, 1893—Credit documents and their relation to the banking system. Jevons, chaps. 19 and 20.
- Feb. 14, “ The economic changes due to the introduction of machinery and the rise of the factory system. Toynbee: Marshall.
- March 6, “ The place of competition as an economic factor. Toynbee, sec. II and chap. 8 ; Marshall, Book II, chap. 1 ; Book III, chaps. 3 and 4.

## SENIOR CLASS.

*Theory of the State.*

Candidates will be examined on the following books :

Plato's Republic, Books I-VI.

Locke's Treatise on Civil Government, Book II.

Montague's The Limits of Individual Liberty.

*Essays :*

- Oct. 12, 1892—Socrates' argument in support of Justice. Republic, Book I.
- Nov. 2, " A comparison of the views of Plato and Locke as to the origin of the State. Plato, Book II ; Locke, Book II, chaps. 2, 7, 8.
- Nov. 23, " The relation of Individuals to Society. Montague, chaps. 3-4.
- Dec. 14, " A comparison of the views of Plato and Locke as to the object of the State. Plato, Book IV ; Locke, Book II, chaps. 7, 8, 9.
- Jan. 24, 1893—A general examination of Locke's view of the State.
- Feb. 14, " A general examination of Plato's view of the State.
- March 6, " The function of the State. Montague, chap. 6.

## HONOURS.

*First Year.*

This class will meet for the discussion of Economic, Social, and Political Principles, and for the critical reading of portions of the works prescribed for Honours.

During this session special attention will be given to the critical reading of Marshall's Principles of Economics, Vol. I.

A short course of lectures will be given on International Exchanges.

Candidates will be examined on the following books :

*Political Economy.*

- |   |            |
|---|------------|
| Smith's Wealth of Nations.                        | } Selected |
| Malthus' Essay on Population.                     |            |
| Ricardo's Principles of Political Economy.        |            |
| Mill's Principles of Political Economy.           |            |
| Cairnes' Leading Principles of Political Economy. |            |
| Marshall's Principles of Economics. Vol. I.       |            |
| Ingram's History of Political Economy.            |            |

*Society and the State.*

- Plato's Republic.
- Hobbes' Leviathan.
- Locke's Treatise on Civil Government.
- Burke's Reflections on the French Revolution.
- Maine's Ancient Law.
- Carlyle's Sartor Resartus.
- Montague's Limits of Individual Liberty.

*Second Year.*

The class will meet for a more detailed discussion of Economic, Social, and Political Principles.

During the present session special attention will be given to the subject of Municipal Government.

Candidates must show familiarity with the substance of the following books :

*Political Economy.*

- Cunningham's Growth of English Industry and Commerce.
- List's National System of Political Economy.
- Wells' Recent Economic Changes.
- Toynbee's Industrial Revolution.
- Jevons' Money and Mechanism of Exchange.
- Cossa, Taxation—its Principles and Methods.
- Brentano's Guilds and Trade Unions.
- Trant's Trade Unions.

*Society and the State.*

- Aristotle's Politics.
- Bluntschli's Theory of the State.
- Mill's Representative Government.
- Holland's Elements of Jurisprudence.
- Green's Lectures on Political Obligation.
- Carlyle's Past and Present.
- Arnold's Culture and Anarchy.
- Rae's Contemporary Socialism.

**MATHEMATICS.**

*Professor:* Nathan F. Dupuis, M.A., F.B.S., Edin.

*Tutor:* Norman R. Carmichael, M.A.

**JUNIOR CLASS.**

The theory and practice of Algebra to the Binomial theorem inclusive.

Geometry of the point, line and circle in the plane. Parts I and II of Dupuis' Synthetic Geometry.

**SENIOR CLASS.**

*Algebra*—Transformation of Functions; Indefinite Coefficients; Arithmetic, Geometric, Harmonic and Related Series; Series of Squares, Triangular Numbers and Cubes; Elementary Continued Fractions; Exponentials, and Logarithms,

*Geometry*—Part III of Dupuis' Synthetic Geometry; Elementary Synthetic Solid Geometry.

*Trigonometry*—Preceding De Moivre's theorem.

**HONOURS.**

Candidates who matriculate with Honours in Mathematics and who intend to pursue an Honour Course are not required to take either the Junior or Senior Class, but they should read the Geometry of the Junior Class.

Candidates who do not matriculate with Honours, and who intend to take the Honour Course must take the Junior Class but are not required to take the Senior Class.

The classes in the Honour work will meet according to the following scheme:—

*1st Group.*

1. Synthetic Modern Geometry.  
Mondays at 4 P.M.  
Dupuis' Synthetic Geometry, Pts. III, IV, V.
2. Higher Algebra, including Elementary Determinants.  
Tuesdays at 4 P.M.  
Hall and Knight's Higher Algebra.
3. Synthetic Solid Geometry.  
Thursdays at 4 P.M.

*2nd Group.*

4. Elementary Conics.  
Mondays at 11 A.M.  
C. Smith's Conics.
5. Differential Calculus—Elementary Integral Calculus.  
Thursdays at 11 A.M.  
Edward's Differential Calculus.
6. Trigonometry, Plane and Spherical.  
Tuesdays at 11 A.M.  
Lock's Trigonometries, Elementary and Higher.
7. Higher Algebra, Theory of Numbers, Probabilities, Elementary Theory of Equations, &c.  
Fridays at 11 A.M.  
Hall and Knight.

*3rd Group.*

8. Higher Conics, Higher Plane Curves.  
Wednesdays at 10 A.M.  
Salmon's Conics, Salmon's Higher Plane Curves.
9. Determinants, Theory of Equations, Finite Differences.  
Fridays at 10 A.M.  
Burnside and Panton's Theory of Equations.  
Salmon's Lessons in Higher Algebra.
10. Quaternions, Analytic Solid Geometry.  
Wednesdays at 10 A.M.  
Kelland and Tait's Quaternions, Aldis' Solid Geometry.
11. Higher Integral Calculus, Differential Equations.  
Fridays at 10 A.M.  
Williamson's Integral Calculus, Johnson's Differential Equations.

The subjects 8 and 9 will be taken up in alternate years with 10 and 11. Subjects 8 and 9 in Session 1892-3.

Candidates are admitted to examination on each group of subjects, but a subject omitted in group 1 or group 2 may be offered in a succeeding group, provided all the subjects are taken in not more than three examinations.

A candidate must make not less than an average of 60 per cent in the first group.



Honours will be determined upon the combined results of the second and third groups and the Problem papers.

Candidates for the Medal must take the subjects numbered 5, 6, 7, 8, 9, 10 and 11 at their final examination and the Problem papers.

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### PHYSICS.

*Professor* : D. H. Marshall, M.A., F.R.S.E.

*Tutor* : Norman R. Carmichael, M.A.

#### JUNIOR AND SENIOR CLASSES.

Lectures and Experiments are given in the following subjects :

#### *Dynamics.*

Properties of Matter: Mass—Density—Gravitation—Specific weight—Weight of gases—Molecular forces—Energy.

#### *Heat.*

Thermometry—Calorimetry (Specific and Latent Heats)—Hygrometry—Transference of heat (Conduction and Radiation)—Dynamical theory of heat.

#### *Light.*

General laws of Radiant Energy—Geometrical Optics—Physical Optics—Construction and use of Optical Instruments—Spectrum analysis.

#### *Acoustics.*

Physical Theory of Music—Optical methods of studying vibratory motions.

*Magnetism*, with special reference to terrestrial magnetism.

#### *Electricity.*

Frictional Electricity—Voltaic Electricity—Thermo-Electricity—Magneto-Electricity—Electro-Magnetism—Diamagnetism—Electro-Dynamics.

Algebra, Geometry, and Trigonometry are applied to the solution of Physical and Dynamical problems, and weekly exercises are given throughout the session.

Text-book : Marshall's *Introduction to the Science of Dynamics*, parts I and II.

The following books should be used in connection with the lectures :

Deschanel's Natural Philosophy or Ganot's Physics.  
 Everett's Units and Physical Constants.  
 Chambers' Mathematical Tables.

Beginners will find Gage's Elements of Physics full of suggestive experiments, and more advanced students will consult with advantage Tait's Recent Advances in Physical Science, and Clerk Maxwell's Matter and Motion.

*Students should take the class of Junior Mathematics before entering the class of Junior Physics, and the class of Senior Mathematics before entering the class of Senior Physics.*

In the Junior Class the subjects principally treated will be :

1. Marshall's Dynamics, Part I, and Part II, Chaps. I to IV.
2. Properties of Matter.
3. Science of Heat.
4. Fortnightly lectures and examinations on Astronomy will hereafter be given by the Professor of Astronomy.

In the Senior Class :

1. Marshall's Dynamics, Part II, Chaps. V to end.
2. Light, Sound, Electricity and Magnetism.

Students in the Junior and Senior Classes are offered the privilege of experimenting in the Physical Laboratory under regulations to be explained at the beginning of each session. Next session Worthington's Physical Laboratory Practice will be used as a text-book.

#### FIRST HONOUR CLASS.

*Students should take the class of First Honour Mathematics before entering this class.*

The work will be a continuation of that done in the Junior and Senior, with applications of higher mathematics. Marshall's Dynamics, Part III, will be used as a text-book. Also one or more of the following :

Thomson and Tait's Natural Philosophy.  
 Besant's Hydrostatics.  
 Frost's Newton's Principia.  
 Tait's Properties of Matter.  
 Balfour Stewart's Heat.  
 Clerk Maxwell's Theory of Heat.  
 Tait's Thermodynamics.  
 Aldis' Geometrical Optics.  
 Dupuis' Geometrical Optics.  
 Lloyd's Wave Theory of Light.  
 Taylor's Sound and Music.  
 Cumming's Theory of Electricity.

Students are required to attend the class in Astronomy at the Observatory. This includes :

Examinations, written and oral, on descriptive and theoretical Astronomy, with the use of instruments.

Students who may desire more extended practice in observations with the Theodolite, Sextant, Transit, and Equatorial, with their reductions, will have an opportunity of attending for this purpose a class during the summer from 15th May to 12th July.

Text-books : Lockyer's Astronomy, Loomis' Practical Astronomy.

#### HIGHER HONOURS.

Students studying for Higher Honours will have the opportunity of reading with the Professor the applications of the Higher Mathematics to Physics. A knowledge of the Differential and Integral Calculus and of Analytical Geometry of three dimensions is necessary.

The subjects taken up will be Dynamics of a Particle and of a Rigid Body, for which the student may read the following works :

Tait and Steele's Dynamics of a Particle.  
 Todhunter's or Minchin's Analytical Statics.  
 Pirie's Lessons on Rigid Dynamics.

Lectures will be given on the Dynamical Theories of Heat, Light and Electricity.

#### PHYSICAL LABORATORY.

The Physical Laboratory is open daily during the session from 10 to 3 o'clock.

Instruction is given in experimentation ; and facilities are offered for studying the construction and use of Physical apparatus, and for doing independent or original work.

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#### CHEMISTRY.\*

*Candidates who intend to take an Honour Course in Chemistry should be prepared to enter the Senior Class in their second year.*

*Professor* : William L. Goodwin, D.Sc., Edin.

*Assistant Professor* : William Nicol, M.A.

#### JUNIOR.

Chemical Species—Crystals and Crystallization—Chemical Change—Laws of Combination—Relations of Heat to Chemical Changes—Notation—Equations—Nomenclature—Volume relations of Gases in Chemical Change—Volume Formulas—The Atomic Theory—Descriptive Chemistry of the more common elements and compounds—Electrolysis—Spectrum Analysis—Laboratory Practice.

*Books* : Goodwin's Chemistry (Henderson & Co., Kingston), Mixer's Elementary Chemistry (Wiley & Sons).

#### SENIOR.

An Outline of Organic Chemistry—Chemical Laws and Theories—Chemical Calculations—Study of selected researches on the Laws of Combination and on Atomic Weights—Determination of Atomic and Molecular Weights and of the Formulas of Compounds—Chemical Constitution (Atomic Linking)—Classification of the Elements according to the Periodic Law—Thermochemistry—Crystallography.

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\*The classes in Chemistry meet in the John Carruthers Science Hall.

**\*Qualitative Analysis—Preparation of Organic Compounds.**

- Books :* Richter's Inorganic Chemistry (P. Blakiston, Son & Co.)  
 Remsen's Advanced Inorganic Chemistry (Henry Holt & Co.)  
 Remsen's Organic Chemistry (D. C. Heath & Co.)  
 Williams' Crystallography (Henry Holt & Co.)  
 Thorpe & Muir's Qualitative Analysis (Longmans, Green & Co.)

**FIRST HONOUR.**

- General Chemistry—The rarer elements and compounds studied in relation to the periodic law.  
 History of Chemistry.  
 Organic Chemistry.  
 Qualitative Analysis, including the use of the blow-pipe and the spectroscope.  
 Preparation of organic compounds.  
 Simple Quantitative Analysis.

- Books :* Ostwald's General Chemistry (Macmillan & Co.)  
 Rodwell's Birth of Chemistry (Macmillan & Co.)  
 Von Meyer's History of Chemistry. Translated by G. McGowan, Ph.D.) (Macmillan & Co.)  
 Remsen's Organic Chemistry (D. C. Heath & Co.)  
 Bernthsen's Organic Chemistry. Translated by G. McGowan, Ph.D. (Blackie & Sons.)  
 Roscoe & Schorlemmer's Text Book of Chemistry (Macmillan & Co.)

- Essays :* Oct. 28—Chemical changes reversed by changed conditions.  
 Nov. 25—Growth of the idea of Chemical Constitution—Ostwald's General Chemistry, pp. 192–204.  
 Jan. 27—Group VIII of the Periodic System of the Elements.

**SECOND HONOUR.**

- General Chemistry—More advanced study of chemical laws and theories—The dynamical theory of gases.  
 History of Chemistry.  
 Biological Chemistry.  
 Quantitative Analysis.  
 Water Analysis.

- Books :* Lothar Meyer's Modern Theories of Chemistry.  
 Ostwald's General Chemistry.  
 Wurtz's History of Chemical Theory (Macmillan & Co.)  
 Thomson's History of Chemistry.  
 Von Meyer's History of Chemistry. Translated by G.  
 McGowan, Ph.D.  
 W. N. Hartley's Quantitative Analysis (Macmillan & Co.)  
 Sutton's Volumetric Analysis (J. & A. Churchill.)  
 Leffman & Beam's Water Analysis.
- Essays :* Oct. 28—"The Elements" historically considered  
 (Thomson's History of Chemistry).  
 Nov. 25—Knowledge of Chemical Composition before  
 and after Dalton.  
 Thomson's History of Chemistry—Ostwald's  
 General Chemistry, Bk. I.  
 Jan. 27—Relations of Physics to Chemistry—Lothar  
 Meyer's Modern Theories of Chemistry  
 (including the Preface).  
 Feb. 24—The Choice of the Atomic Weights—Ostwald's  
 General Chemistry, Bk. VI., Chaps. I  
 and II.
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*For Extra-mural Students.*

JUNIOR.

- Goodwin's Chemistry, omitting Sections 165-230 and  
 440-443.
- Essays :* Oct. 28—Pure Substances—Crum Brown's Chemistry  
 (Chambers'), pp. 1-13.  
 Nov. 25—The Nature of ordinary combustion—Fara-  
 day's Chemical History of a Candle  
 (Chatto & Windus).  
 Jan. 27—Resemblances in Chemical properties of Oxy-  
 gen and Sulphur.

SENIOR.

*Books to be read :*

- Remsen's Inorganic Chemistry (Advanced), (Henry Holt  
 & Co.)  
 Goodwin's Chemistry, sections 165-230.  
 Williams' Crystallography (Henry Holt & Co.), pp. 1-61 ;  
 81-95; 104-114; 142-150; 158-164; 170-175.

- Essays* : Oct. 28—Combining Weights and Atomic Weights—  
Remsen's Inorganic Chemistry, pp. 71-79.
- Nov. 25—Chemical Constitution — Remsen's Organic  
Chemistry, pp. 12-52—Richter's Inor-  
ganic Chemistry, pp. 169-176.
- Jan. 27—Conditions of Chemical Action—Remsen's In-  
organic Chemistry, pp. 426-450—Richter's  
Inorganic Chemistry, pp. 26-30.
- Feb. 24—Crystal Habit—Williams' Crystallography, pp.  
11-16.

### FOR STUDENTS OF MEDICINE.

#### *First Year.*

The Lectures of the Junior Arts Class.  
Laboratory Practice.

#### *Second Year.*

The Lectures of the Senior Arts Class.  
Laboratory Practice, including Chemical Toxicology,  
Urinalysis, the preparation and examination of organic  
compounds, and the testing of water and milk for sani-  
tary purposes.

#### *Analytical Chemistry.*

Systematic Testing of Chemical Substances.  
Use of the Blowpipe and Spectroscope.

#### *Books for Consultation :*

Goodwin's Chemistry.  
Crum Brown's Chemistry.  
Attfield's Chemistry.  
Bernthsen's Organic Chemistry, translated by George  
McGowan, Ph.D.  
Charles' Physiological and Pathological Chemistry.  
The Urine, the Common Poisons, and the Milk, by Prof.  
J. W. Holland.  
Leffman & Beam's Water Analysis.

*The Laboratory Practice of the Second Year and Analytical  
Chemistry may be taken during either the Winter or the Summer  
Session.*

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**MINERALOGY.**

*Lecturer :* William Nicol, M.A.

*The classes in Mineralogy meet in the John Carruthers Science Hall.*

*First Year.*

1. Elements of Mineralogy—Definition of Mineral—Definition of Mineralogy—Divisions—Mineral Species—Crystal—Crystalline and Amorphous States—Growth of Crystals—Imperfections of Crystals—Morphology of Crystalline Aggregates—Physical Properties of Minerals—Optical Properties of Minerals—Thermal Properties of Crystals—Electric Properties of Minerals—Magnetism—Taste—Touch—Smell—Chemical Properties of Minerals.

*Text-book*—Dana's Manual of Mineralogy and Petrography (Wiley & Sons).

2. Blowpiping—A course of practical demonstrations to illustrate and explain reactions in studying the chemical properties of Minerals—A practical class in which the experiments seen in the lectures are performed by the students.

*Text-book*—Cornwall's Translation of Plattner's Manual of Qualitative and Quantitative Analysis with the Blow-pipe.

*Second Year.*

1. Systematic Mineralogy.  
An extension of the works of the 1st year.

*Text-books*—Bauerman's Systematic Mineralogy (Longman, Green & Co.)  
Naumann-Zirkel's Mineralogy.

2. Practical Crystallography.  
Practical study of Crystal Forms by means of crystals and wooden and wire models.

3. Metallurgy.

A course of lectures describing the metallurgy of gold, silver, lead, iron, nickel, cobalt, antimony, tin, arsenic, bismuth, zinc, and copper.

*Text-book*—Hiorns' Practical Metallurgy and Assaying (Macmillan & Co).

## 4. Assaying.

The assaying of gold, silver, copper, lead, iron, and nickel ores by furnace and wet methods.

*Text-book*—Brown's Manual of Assaying, 3rd Ed. (Sargent & Co., Chicago).

*Third Year.*

## 1. Descriptive Mineralogy.

Description and classification of the commonly occurring minerals, special attention being given to the ores.

*Text-books*—Bauerman's Descriptive Mineralogy (Longmans, Green & Co).

Naumann-Zirkel's Mineralogy.

Chapman's Minerals and Geology of Ontario and Quebec, 3rd Edition (Copp, Clark Comp.)

Dana's System of Mineralogy.

## 2. Determinative Mineralogy.

Practical instruction in the determination of minerals by means of the blow-pipe, and by field tests, such as color, hardness, streak, &c.

*Text-book*—Weisbach's Tabellen, translated by P. Fraser. (3rd Ed., Phila.)

## 3. Ore Deposits.

*Book for reference*—Phillips' Ore Deposits.

## 4. Assaying.

A more extended course in quantitative methods, including complete analysis of selected minerals.

*Text-books*—Brown's Manual of Assaying (3rd Ed., Sargent & Co., Chicago).

Fresenius' Quantitative Analysis.

## 5. Method of preparing rock sections for the microscope.

Examination of prepared sections.

## ELEMENTARY PRACTICAL COURSE.

This course is intended for those who wish to extend their knowledge of minerals for prospecting and other purposes.

1. Junior Lectures on Chemistry.
2. Elements of Mineralogy.
3. Blowpiping.
4. Practical Mineralogy.

#### POST GRADUATE AND SPECIAL COURSES.

The Chemical and Mineralogical Laboratories afford every facility for original research in Chemistry and Mineralogy. Subjects for research will be suggested and direction given.

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#### NATURAL SCIENCE.

*Professor* : Rev. James Fowler, M.A.

*Tutor* : David Cunningham, B.A., M.D.

#### JUNIOR.

##### *Botany.*

#### Lectures on :

- Morphology of the cell, the tissues, and the various organs of plants.
- Arrangements for cross-fertilization.
- Elements of plant-food.
- Assimilation, metastasis, movements of water and gases in the plant.
- Effects of Temperature.
- Principles of classification.
- Characters of a number of typical orders, illustrated by the examination of specimens and Botanical Charts.

##### *Zoology.*

#### Lectures on :

- The Morphology, Histology, Mode of Nutrition and Reproduction of Animals.
- Classification.
- Typical specimens of every branch or large division of animals.
- The human skeleton.
- Elementary Human Physiology.

The lectures are illustrated by specimens, diagrams and charts. Students are required to give in essays on prescribed subjects. Books for consultation recommended when required.

## SENIOR.

*Geology.*

## Lectures on :

Lithological Geology, Classification of Minerals and Rocks.  
 Dynamical Geology.

Outline of the Geological History of the globe, with  
 special reference to the formations found in Canada.

## Books for reference :

Dana's Manual of Geology and Manual of Mineralogy.

---

 HONOURS IN BIOLOGY.
*First Year.**Botany.*

An extended examination of the structure of flowering  
 plants, with microscopical analysis of tissues.

Systems and Classification.

Careful study of typical forms of the various orders of  
 Phaenogamous plants of Canada.

Vegetable Physiology.

Daily laboratory work.

*Zoology of Vertebrata.*

Study of skeletons of typical species of the different divi-  
 sions of Vertebrata.

Practical Anatomy, Dissection of Animals.

Microscopic examination of tissues.

Human Physiology.

Distribution of Animals.

Daily laboratory work.

## Books for study and laboratory work :

Spotton's Canadian Flora.

Gray's Manual.

Gray's Structural Botany.

Bessey's Botany.

Huxley's Physiology.

Prantl and Vines, Text-book of Botany.

Claus and Sedgwick's Zoology.

Huxley and Martin's Practical Biology.

Parker's Zootomy.

Wiedersheim's Elements of Comparative Anatomy.

Mivart on the Cat.

*Second Year.**Botany:*

Structure and Classification of Cyperaceae, Gramineae and  
Cryptogamic Plants of Ontario, with practical know-  
ledge of typical forms of the various orders.  
A more extended study of Vegetable Physiology.  
Economic Botany, Geographical distribution of plants.

*Zoology of Invertebrata :*

Examination of typical specimens of the different classes.  
Dissection, Microscopic work.  
Palaeontological history and distribution.  
Embryology.  
Daily laboratory work.

## Books for laboratory work and reference :

Sach's Text-book of Botany  
Gray's Manual.  
Lesquereux and James' Mosses of N. America.  
Tuckerman's Lichens.  
Bessey's Botany.  
Gray's Botanical Text-book, vol. II.  
Claus and Sedgwick's Zoology.  
Huxley and Martin's Practical Biology.  
Brook's Handbook of Invertebrate Zoology.  
Balfour's Comparative Embryology.  
Jordan's Manual of American Vertebrates.

## Essays required on prescribed subjects.

## HONOURS IN GEOLOGY.

*First Year.*

Physical Geography, Geology and Palæontology.  
Examination and Determination of Minerals, rocks and  
fossils.

## Books for reference :

Elisée Reclus, The Earth, The Ocean.  
Dana's Manual of Mineralogy.  
Johnstone's Physical Atlas.

## Candidates will also be examined on the following :

Page's or Geikie's Physical Geography.  
Lyell's Principles of Geology.  
Dana's Manual of Geology.

*Second Year.*

Examination of specimens of Rocks, Minerals, &c.  
A special study of Canadian Geology.  
Economic minerals of Canada.  
Palæontology.

## Books for reference :

Nicholson's Palæontology.  
Chapman's Synopsis of Palæontology.  
Dawson's Geological History of Plants.  
Dana's Mineralogy.

The candidate will also be examined on the following :

Geikie's Text-book of Geology.  
Geikie's Field Geology.  
Chapman's Mineralogy and Geology of Canada.  
Dawson's Handbook of Canadian Geology.  
Croll's Climate and Time.

# CALENDAR

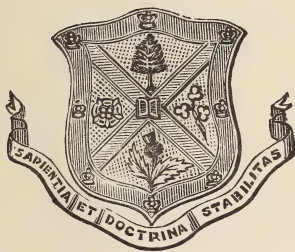
OF

## Queen's College and University

KINGSTON, CANADA.

*FOR THE YEAR 1892-93.*

PART II.



INCORPORATED BY ROYAL CHARTER, A.D. 1841.

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KINGSTON:

PRINTED FOR THE UNIVERSITY BY WM. BAILLIE.

1892.





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The Chancellor is elected by the Council, except when two or more candidates are nominated, in which case the election is by registered graduates and alumni. He holds office for three years, and, as highest officer of the University, presides at meetings of Council and Convocation, and at Statutory meetings of Senate. In his absence he is represented by the Vice-Chancellor.

Of the elective members eight retire annually. Successors are elected by registered graduates and alumni. Retiring members may be re-elected.

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Fellow in Physiology.

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WILLIAM NICOL, M.A., Assistant Professor of Chemistry.

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Byron M. Britton, M.A., Q.C. . . . Lecturer on Criminal Law.

R. Vashon Rogers, B.A. . . . . Lecturer on Common Law

G. M. Macdonnell, B.A., Q.C. . . . Lecturer on the Law of Real Property.

R. T. Walkem, LL.D., Q.C. . . . . Lecturer on Equity.

John McIntyre, M.A., Q.C. . . . . Lecturer on Medical Jurisprudence.



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Published in twelve numbers, during the Session, by the Alma Mater Society of Queen's University.

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**MODERN LANGUAGE SOCIETY.**

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| Curators.....           | Misses J. Barr and Harvey. |

## *BENEFACTIONS.*

### **BEQUESTS AND SPECIAL ENDOWMENTS.**

|   |          |
|---|----------|
| St. Andrew's Church Ladies' Association, Toronto—Scholarship.....                         | \$800 00 |
| Ladies of Kingston—Scholarship.....   | 1130 00  |
| His Royal Highness THE PRINCE OF WALES—Prize.....   | 800 00   |
| The late JOHN MOWAT, Kingston—Scholarship.....  | 800 00   |
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| The late GEORGE MICHIE, Toronto.....  | 2000 00  |
| The late EDWARD H. HARDY, Kingston.....   | 400 00   |
| MRS. GLASS, Sarnia, for HENRY GLASS Memorial Scholarship.....                             | 500 00   |
| A Gentleman in New Brunswick—Dominion Scholarship   | 1000 00  |
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|  |            |
|--|------------|
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| MRS. EDITHA P. BRONSON, Ottawa, towards endowment<br>of Theological Faculty.....   | 500 00     |

Dr. Williamson is preparing for “Doomsday Book” a history of the first fifty years of the University. He purposes giving an account of the Funds raised at different times for general or special purposes during this period, with the names of subscribers, down to the Jubilee Fund of 1887–90. This history is now being published in the Queen’s College Journal, in successive instalments, with the expectation that old friends who have in their possession documents or reminiscences of interest may send them to the author, before final shape is given to his narrative in the Doomsday Book. When the history is completed, an abridgement with a sketch of the different Funds and the principal contributors will be published in the Calendar.

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#### ANNUAL AND OTHER CONTRIBUTIONS.

|   |          |
|---|----------|
| Session of St. Andrew’s Church, Toronto—Scholarship.. | \$100 50 |
| R. ANDERSON, Montreal—Scholarships.....               | 100 00   |
| HUGH McLENNAN—Prize ....                              | 25 00    |
| M. C. CAMERON, Goderich—Gaelic Scholarship.....       | 60 00    |
| D. M. McINTYRE, B.A., the Mayor’s Scholarship... ..   | 50 00    |
| SANDFORD FLEMING, LL.D, the Chancellor’s Scholarship. | 60 00    |
| ST. ANDREW’S CHURCH, Renfrew.....                     | 50 00    |

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#### ENDOWMENT FUND.

In connection with the Endowment Fund begun in 1869, paid subscriptions secure privileges according to the following regulations:—



1.—A donor of \$500 founds a SCHOLARSHIP bearing his own name or any other which he may give it, and acquires the privilege of naming *annually* one student to attend College for one session free of class fees in Arts. On the founder's death his lineal representatives become entitled to the privilege of free attendance in the order of seniority.

2.—Donors of \$100, \$200, \$300 and \$400 may nominate, at any time during life, one, two, three or four students respectively, to a course in Arts free of class fees.

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### ENDOWMENT OF TUTORSHIPS.

In 1888, William Nickle, Esq., Kingston, gave the sum of \$2500 to found "The William Nickle Tutorship in Mathematics."

In 1892, Hugh Waddell, Esq., South Monaghan, gave the sum of \$2500 to found, in memory of his father, "The Robert Waddell Tutorship" in Physical or Natural Science.

## FOUNDERS OF SCHOLARSHIPS.

ENDOWMENT FUND OF 1869 AND 1878.

|                                     |                  |
|-------------------------------------|------------------|
| Aitken, (Mrs. Mary).....            | Montreal.        |
| Allan, (Andrew) 3 .....             | Montreal.        |
| Allan, (Sir Hugh) 3*.....           | Montreal.        |
| Armour, (John).....                 | Perth.           |
| Beardmore, (W. D.).....             | Toronto.         |
| Bell, (John).....                   | Belleville.      |
| Bell, (John)*.....                  | Toronto.         |
| Blair, (James A.).....              | London.          |
| Breck, (L. H.).....                 | Garden Island.   |
| Breden, (John).....                 | Kingston.        |
| Bronson, (H. F. & E. H.) 2.....     | Ottawa.          |
| Bronson, (H. F.) †.....             | Ottawa.          |
| Bronson, (E. H.) †.....             | Ottawa.          |
| Buntin, (Alex.) † 5.....            | Montreal.        |
| Caldwell, (W. C.).....              | Lanark.          |
| Calvin, (D. D.)*.....               | Garden Island.   |
| Cameron, (John A.) †.....           | Summerstown.     |
| Cameron, (M. C.).....               | Goderich.        |
| Campbell, (Sir A.) †.....           | Ottawa.          |
| Carruthers, (John) 12*.....         | Kingston.        |
| Cartwright, (Sir R. J.).....        | Kingston.        |
| Cluness, (W. R.) 2 †.....           | Sacramento, Cal. |
| Crawford, (Alex.).....              | Montreal.        |
| Cross, (A. J.).....                 | Montreal.        |
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| Dennistoun, (Judge) 2 .....         | Peterboro'.      |
| Dennistoun, (James)*.....           | Peterboro'.      |
| Doran, (Michael) 4.....             | Kingston.        |
| Dow, (D. S.) 2*.....                | Whitby.          |
| Drummond, (A. T.).....              | Montreal.        |
| Dupuis, (Prof. N. F.).....          | Kingston.        |
| Dupuis, (T. R., M.D.).....          | Kingston.        |
| Fenwick, (G. S.).....               | Kingston.        |
| Ferguson, Rev. G. D.).....          | Kingston.        |
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| Friend, 4.....                      | Montreal.        |
| Friend.....                         | Montreal.        |
| Friend.....                         | Montreal.        |
| Fulton, (Alex. T.) †.....           | Toronto.         |
| Gillies, (John) 3*.....             | Carleton Place.  |
| Gilmour, (A.) and friend, 22 †..... | Ottawa.          |

\* Deceased.

† Nomination reserved.

|                                   |                   |
|-----------------------------------|-------------------|
| Gordon, (Rev. D. M.) 3            | Ottawa.           |
| Grant (Principal) 5               | Kingston.         |
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| Greenshields, (D. J.)*            | Montreal.         |
| Gunn, (A.) 6                      | Kingston.         |
| Hardy, (Edward H.)*               | Kingston.         |
| Hay, (R.) 2                       | Toronto.          |
| Henderson, (P. R.)                | Kingston.         |
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| Kinloch, (William)†               | Montreal.         |
| Kirkpatrick, (G. A.)              | Kingston.         |
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| Leggat, (M.)                      | Hamilton.         |
| Malloch, (A. E., M.D.)            | Hamilton.         |
| Malloch, (Mrs. Edw.)              | Ottawa.           |
| Meighen, (Family)                 | Perth.            |
| Michie, (James) 12*               | Toronto.          |
| Moore, (V. H., M.D.)              | Brockville.       |
| Morris, (Hon. A.) 2*              | Toronto.          |
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| Murray, (Prof.)                   | Montreal.         |
| Murray, (Mrs. and Misses)         | Cote St. Antoine. |
| Mylne, (Rev. S.)                  | Smith's Falls.    |
| Macdonnell, (G. M.) 4             | Kingston.         |
| Macdonnell, (Rev. D. J.) 2        | Toronto.          |
| Macdonnell, (J. M.) 2*            | Winnipeg.         |
| McGillivray, (N. J.)*             | Montreal.         |
| Mackerras, (Prof.)*               | Kingston.         |
| MacLennan, (D. B.)                | Cornwall.         |
| MacLennan, (D. M.)                | Lancaster.        |
| MacLennan, (James) 6              | Toronto.          |
| Macnee, (James) 2*                | Kingston.         |
| Macpherson, (Allan)*              | Kingston.         |
| McBean, (A. G.)                   | Montreal.         |
| McCulloch, (H.)                   | Galt.             |
| McHardy, (F.) 2*                  | Toronto.          |
| McLennan, (John)                  | Lancaster.        |
| McPherson, (Sir D. L.)            | Toronto.          |
| McRae, (W. R.)                    | Kingston.         |
| Nichols, (Mrs.) 2                 | Peterboro'.       |

\* Deceased.

† Nomination reserved.

|                             |            |
|-----------------------------|------------|
| Nickle, (W.)*               | Kingston.  |
| Paton, (John) †             | New York.  |
| Perth, (A friend) †         | Perth.     |
| Rankin, (John) 2 †          | Montreal.  |
| Rathbun, (Messrs.)          | Deseronto. |
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| Richardson, (James)         | Kingston.  |
| Rogers, (R. V.)             | Kingston.  |
| Schultz, (Dr.) 3            | Winnipeg.  |
| Sheddon, (John)*            | Toronto.   |
| Smith, (Sir Donald A.) 2    | Montreal.  |
| Smith, (John)*              | Montreal.  |
| Smith, (Rev. T. G., D.D.)   | Kingston.  |
| Snodgrass, (Principal) 2    | Kingston.  |
| Spreull, (The Misses) 2     | Toronto.   |
| Stephen, (Sir George) 12    | Montreal.  |
| Stewart, (Mrs. W.)          | Ottawa.    |
| <b>Thomas McKay</b> , 2 † † | Ottawa.    |
| Urquhart, (Alex.)           | Montreal.  |
| Williamson, (Prof.) 3       | Kingston.  |
| <b>William Dow</b> , 2 †    | Montreal.  |

\*Deceased. †Nomination reserved. ‡Memorial Scholarships.

#### JUBILEE FUND SCHOLARSHIPS (Paid Up)

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| Aitken, (Mrs. J.)        | Montreal.   |
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| Armour, (John)           | Perth.      |
| Barnet, (A.) 2           | Renfrew.    |
| Bell, (Rev. G., LL.D.)   | Kingston.   |
| Bruce, (John A.)         | Hamilton.   |
| Burnet, (J.) 2           | Montreal.   |
| Calvin, (Mrs. D. D.)     | Kingston.   |
| Calvin, (Sanford) 2      | Kingston.   |
| Cargill, (H., M.P.)      | Cargill.    |
| Carmichael, (Rev. J.)    | King.       |
| Carswell, (James)        | Renfrew.    |
| Chown, (A.)              | Kingston.   |
| Chown, (E. & Son)        | Kingston.   |
| Cockshutt, (Charles) 2   | Toronto.    |
| Crothers, (H.)           | Kingston.   |
| Dawes, (Andrew J.)       | Lachine.    |
| Dawes, (James P.) 2      | Lachine.    |
| Dennistoun, (Mrs. J. F.) | Peterboro'. |
| Fletcher, (Prof. John)   | Kingston.   |
| Folger Brothers, 3       | Kingston.   |

|                                   |                 |
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| Fraser, (Alex.).....              | Westmeath.      |
| Friend, 20... ..                  | Ottawa.         |
| Gaskin, (John).....               | Kingston.       |
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| Kennedy, (Mrs. Dr.).....          | Guelph.         |
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| Lewis, (Miss Jane E.).....        | Mono Mills.     |
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| Marshall, (Prof. D. H.).....      | Kingston.       |
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| Matheson, (Dr.).....              | Waverly, N.S.W. |
| Miller, (James).....              | Spencerville.   |
| Morrison, (J.).....               | Montreal.       |
| Murray, (Captain James).....      | St. Catharines. |
| Mylne, (Rev. S.).....             | Smith's Falls.  |
| Mackay Brothers.....              | Montreal.       |
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| *Macnee, (Mrs. S. E.).....        | Kingston.       |
| Macnee, (Miss Mary E.).....       | Kingston.       |
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| McBean, (D. G.).....              | Montreal.       |
| *McLaren, (James).....            | Buckingham.     |
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| Macdonnell, (Rev. D. J.) 2.....   | Toronto.        |
| McIntyre, (John, M.A.).....       | Kingston.       |
| McLagan, (Alex.).....             | Hamilton.       |
| MacLennan, (Hon. Justice) 5.....  | Toronto.        |
| McLennan, (Hugh).....             | Montreal.       |
| McMaster, (D., Q.C.).....         | Montreal.       |

\* Deceased.

|                                      |                |
|--------------------------------------|----------------|
| McTaggart, (Malcolm).....            | Clinton.       |
| Paterson & Law.....                  | Ottawa.        |
| *Purcell, (P.).....                  | Summerstown.   |
| Richardson, (James & Sons) 5.....    | Kingston.      |
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| Rosamond, (Bennett) .....            | Almonte.       |
| Ross, (Rev. Prof. D., D.D.).....     | Kingston.      |
| Ross, (John).....                    | Lancaster.     |
| Shortreed, (Mrs. M.).....            | Toronto.       |
| Smith, (Andrew).....                 | Toronto.       |
| Spencer, (L. B.).....                | Kingston.      |
| Stewart, (J. & Co.).....             | Hamilton.      |
| Stuart, (Mrs. Jane J.) 5.....        | Hamilton.      |
| Swift, (James) 2 .....               | Kingston.      |
| Taylor, (J. & J.).....               | Toronto.       |
| Watson, (Rev. D., D.D.).....         | Beaverton.     |
| Watson, (Prof. J., LL.D.).....       | Kingston.      |
| Williamson, (Prof. J., LL.D.) 2..... | Kingston.      |
| *Deceased.                           |                |

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### DONATIONS TO THE LIBRARY.

APRIL 1ST, 1891, TO APRIL 1ST, 1892.

United States Government—67 vols.  
 United States Naval Observatory—1 vol.  
 Dominion Government—51 vols.  
 Ontario Government—6 vols.  
 Manitoba Government—2 vols.  
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 Victoria Government—2 vols.  
 New Zealand Government—6 vols.  
 British Columbia Government—1 vol.  
 Inst. of Civil Engineers—6 vols.  
 Royal Society, Canada—2 vols.  
 Royal Society of Edinburgh—3 vols.  
 Royal Colonial Institute—1 vol.  
 New York State University—3 vols.  
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## FACULTY OF ARTS. POST-GRADUATE DEGREES.

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### DEGREES OF DOCTOR OF PHILOSOPHY (Ph.D.) AND DOCTOR OF SCIENCE (D.Sc.)

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All candidates must submit a thesis on some subject connected with their special course, embodying the results of original investigation. (See Art. VII).

#### I. DEGREE OF PH.D.

##### *1. Course for the Degree of Ph.D. in Classics.*

Candidates for the Degree of Ph.D. in Classics will be examined on :—

- (a) The General History of Greece.
- (b) The General History of Rome.
- (c) A special period of Greek History to be studied in detail, mainly from original authorities.
- (d) A special period of Roman History to be studied in detail, mainly from original authorities.
- (e) Plato's *Republic* and Aristotle's *Nicomachean Ethics*.
- (f) Aristotle's *Politics*.

The period of Greek History selected is, *Greek History to the close of the Peloponnesian War*.

##### *Original Authorities.*

Herodotus.  
Thucydides.  
Xenophon's *Hellenics*, B. I and II.

The period of Roman History selected is, *Roman History from the end of the Third Punic War to the death of Vespasian*.

##### *Original Authorities.*

Plutarch's *Lives of the Gracchi*.  
Cicero's *Letters* (Watson's Selection).  
Sallust's *Jugurtha* and *Catiline*.  
Tacitus' *Annals*, B. I-VI.

Candidates must show acquaintance with modern authorities on Greek and Roman history and with the best modern critics of Plato and Aristotle. They are expected to show familiarity with the substance of the books prescribed, as well as to be able to translate them.

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*2. Course for the Degree of Ph.D. in English and Modern Literature.*

(a) ENGLISH LANGUAGE AND LITERATURE.

1. Candidates are expected to show a general knowledge of the following subjects:—

The history of English Literature from 449 A.D.  
 The growth of the English Language.  
 The development of English metres.  
 Anglo-Saxon Grammar and Language.

2. Candidates are also required to offer a special course, Periods I, II and V, or Periods II, III and V, according to the scheme given below :

- I. From 449 to 1280 A.D.
- II. From 1200 to 1580 A.D.
- III. From 1550 to 1700 A.D.
- IV. From 1700 to 1800 A.D.
- V. From 1800 to present time.

PERIOD I. (449 to 1280).

Besides general papers on the literature of this period, special papers will be set on the following works:—

Beowulf.  
 Battle of Maldon.  
 Ælfric's Homilies.  
 Bede's Ecclesiastical History.  
 The Anglo-Saxon Chronicle.

Candidates who choose this period are expected to show a competent knowledge of contemporary English history.

## PERIOD II. (1200–1580).

Special papers on the following works:—

Piers the Plowman.

Chaucer's Canterbury Tales.

Skeat's Specimens of English Literature from 1394 to 1579.

Spenser's Works.

Sir Thomas Malory's Morte D'Arthur, Bks. XVII to XXI.

Percy's Reliques of Ancient English Poetry.

## PERIOD III. (1550–1700).

Special papers on the following works:—

Marlowe—Dr. Faustus, Jew of Malta.

Shakespeare—Richard II, Henry IV, Henry V, Julius Cæsar, Antony and Cleopatra, Coriolanus, Lear, Macbeth.

Ben Jonson—Every Man in his Humour, The Alchemist, Sejanus.

Webster—Appius and Virginia, Vittoria Corombona.

Massinger—The Duke of Milan, A New Way to Pay Old Debts.

Bacon—Essays, Advancement of Learning.

Milton—Paradise Lost, Comus and Lycidas.

Dryden—Annus Mirabilis, Absalom and Achitophel.

## PERIOD IV. (1700–1800).

Special papers on the following works:—

Pope—Rape of the Lock, Satires and Epistles.

Addison—Papers in the Spectator (T. Arnold's Selection).

Johnson—Lives of the Poets (M. Arnold's Selection).

Burke—Speech on Fox's East India Bill, on the Nabob of Arcot's Debts, Reflections on the French Revolution.

Richardson—Clarissa Harlowe.

Fielding—Amelia.

Boswell—Life of Johnson.

Letters of Chesterfield and Horace Walpole.

Works of Gray, Cowper and Crabbe.

## PERIOD V.

1. A critical knowledge of the works of the following authors:—

Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson.  
 Carlyle (French Revolution, Oliver Cromwell, Reminiscences).

- Emerson (Essays and Orations, Representative Men).  
 Scott, Thackeray, Hawthorne.  
 Browning (Dramas, Men and Women, Dramatic Romances,  
 The Ring and the Book).  
 M. Arnold (Essays in Criticism, 1st and 2nd Series, On  
 Translating Homer, Culture and Anarchy).

2. A special knowledge of the following subjects :—

- The development of historical writing in the 19th century.  
 The development of literary criticism in the 19th century.
- 

(b) MODERN LANGUAGES

1. GERMAN.

1. Gothic :—

- Ulfilas (Braune's Extracts).  
 Grammar (Braune).

Old High German :

- Althochdeutsches Lesebuch (Braune).  
 Grammar (Braune).

Middle High German :—

- Gudrun: Der arme Heinrich; Titurel; Walter von der  
 Vogelweide (Selections).  
 Grammar (Paul's Mittelhochdeutsche Grammatik).  
 History of the German Language (Grammars of Paul  
 and Braune).  
 History of German Literature to the Reformation  
 (Scherer's Geschichte der deutschen Literatur).

2. Eighteenth century :

- Lessing—Dramen, Laokoon.  
 Herder—Der Cid, Ideen zur Philosophie der Menschheit  
 Wieland—Agathon, Oberon, Abderiten.  
 Goethe—Dramatische Werke, Wilhelm Meister,  
 Italienische Reise, Die Wahlverwandtschaften.  
 Schiller—Balladen, Drammatische Werke.  
 Voss—Luise.  
 Bürger—Balladen.  
 Jean Paul Richter—Siebenkäs, Titan.  
 History of the Literature (Scherer).

### 3. Nineteenth century :

Heinrich von Kleist—Dramen, Michael Kohlhaas.  
 Heinrich Heine—Gedichte, Reisebilder.  
 Uhland—Balladen.  
 Körner—Leier und Schwert, Dramen.  
 Hauff—Lichtenstein.  
 Karl Gutzkow—Die Ritter vom Geist.  
 Auerbach—Auf der Höhe, Die Frau Professorin.  
 Scheffel—Ekkehart, Der Trompeter von Säkkingen.  
 Gustav Freytag—Die verlorene Handschrift.  
     Die Ahnen.  
 Paul Heyse—Novellen.  
 Georg Ebers—Homo Sum, Die Nilbraut.  
 Felix Dahn—Kampf um Rom.

### Books recommended :

Koberstein, Grundriss der deutschen Nationallitteratur.  
 Hettner. Geschichte der deutschen Litteratur im 18ten  
     Jahrhundert.  
 Julian Schmidt, Geschichte der deutschen National-  
     litteratur im 19ten Jahrhundert.  
 Lessing, Hamburgische Dramaturgie.  
 Paul, Grundriss der germanischen Philologie.

## II. FRENCH.

### 1. From the origins to the beginning of the 15th century :

Bartsch's Chrestomathie de l'ancien français.  
 History of the French language (Clédat, Grammaire  
     élémentaire de la vieille langue française; Brachet,  
     Dictionnaire étymologique).

### 2. Age of Louis XIV :

P. Corneille—Théâtre.  
 Boileau-Despréaux—Art poétique.  
 Molière Théâtre.  
 J. Racine—Théâtre.  
 Regnard—Le Légataire universel, Le Joueur, Le Re-  
     tour Imprévu.  
 Madame de Sévigné—Lettres (Selections).  
 Pascal—Provinciales.  
 La Rochefoucauld—Maximes.  
 Descartes—Discours de la méthode.

Balzac—Le Socrate chrétien.  
 Bossuet—Oraisons funèbres.  
 Fénelon—Télémaque.  
 History of the Literature (Gérusez).

### 3. Eighteenth century :

Voltaire—Henriade, Zaïre, Alzire, Mahomet, Mérope.  
 Candide, Siècle de Louis XIV.  
 Le Sage—Gil Blas, Le Diable boiteux, Turcaret.  
 Marivaux—Le Jeu de l'amour et du hasard, Les  
 Fausses confidences.  
 Sedaine—Le Philosophie sans le savior, La Gaguere  
 imprévue.  
 Beaumarchais—Le Barbier de Séville, Le Mariage de  
 Figaro, La Mère coupable.  
 Diderot—Neveu de Ramaeu.  
 J. J. Rousseau—Émile, La Nouvelle Héloïse, Le Contrat  
 social.  
 Montesquieu—L'Esprit des lois, Lettres persanes.  
 Bernardin de St. Pierre—Paul et Virginie.  
 History of the Literature (Gérusez).

### 4. Nineteenth century ;

Chateaubriand—Le Génie du Christianisme. Les  
 Martyrs.  
 Madame de Stäel—Corinne, De l'Allemagne, Delphine.  
 Lamartine—Les Confidences, Graziella, La Chute d'un  
 ange.  
 Victor Hugo—Orientales, Chants du crépuscule. La  
 Légende des siècles, Les Misérables, Les Travail-  
 leurs de la mer, Quatre-vingt-treize, Théâtre.  
 Honoré de Balzac—Séraphita, La Peau de chagrin.  
 George Sand—Indiana, Elle et Lui.  
 Théophile Gautier—Le Roman de la momie, Le Capi-  
 taine Fracasse, La Morte amoureuse, Émaux et  
 Camées.  
 Alfred de Musset—Les Nuits, Rolla, Comédies et  
 Proverbes.  
 Augier—Théâtre.  
 Sandeau—Théâtre.  
 Alphonse Daudet—Lettres de mon moulin, Le Nabab.  
 Numa Roumestan.  
 History of the Literature (Gérusez).

## Books recommended :—

- Sainte-Beuve—Causeries du Lundi.  
 Charpentier—La Littérature française au XIXe siècle.  
 Vinet—Histoire de la littérature française au XVIIIe siècle.  
 Paul Albert—Histoire de la littérature française.  
 Aubertin—Histoire de la langue et de la littérature françaises au moyen âge.

## III. ITALIAN.

- Grammar and Composition.  
 Silvio Pellico—Le mie Prigioni.  
 Alfieri—Mirra, Saul.  
 Manzoni—I Promessi Sposi.  
 Leopardi—Operette Morali.  
 De Amicis—L'Olanda.  
 Tasso—La Gerusalemme Liberata, I–XII.  
 Ariosto—Orlando Furioso, I–V.  
 Dante—Inferno.  
 History of the Literature (Ebert's Handbuch).

*or*

## SPANISH.

- Grammar and Composition.  
 Castelar—La Hermana de la Caridad.  
 Caballero—La Familia de Alvareda.  
 Cervantes—Don Quixote.  
 Coleccion de poesias liricas (Carolina Michaëlis).  
 El Poema del Cid.  
 History of the Literature (Ticknor).

IV. COMPARATIVE GRAMMAR OF THE ROMANCE  
LANGUAGES.

## Books recommended :—

- Gustav Körting—Encyklopaedie und Methodologie der romanischen Philologie, dritter Theil.  
 Gröber—Grundriss der romanischen Philologie.

Candidates may omit any two periods in German and any three in French. They will be expected to show an



intimate knowledge of the periods and works professed; and a general knowledge of the history of the language and literature.

Two essays will be required, one written in French and the other in German, on subjects connected with the languages or the literatures. The essays must be the candidates' unaided composition, give evidence of originality of treatment, be correct as to orthography and syntax, and show at least an ordinary mastery of style.

A short composition must, in addition, be written in presence of the examiner.

Candidates must also be able to converse fluently in French and German, on any ordinary theme.

### *3. Course for the Degree of Ph.D. in History and English Literature.*

#### (a) HISTORY.

##### 1. The History of England.

Continuous Constitutional History.

Continuous Political History.

A selected period to be studied in detail from the original authorities.

2. A period of general history to be studied in detail from original authorities.

3. The literature of the special periods selected.

The books on the constitutional history of England to be studied are :—

Stubbs' Constitutional History and Select Charters.

Hallam's Constitutional History.

May's Constitutional History.

## Periods for detailed study :—

| English History. | General History. |
|------------------|------------------|
| 449–1066.        | 493–1095.        |
| 1066–1272.       | 1095–1273.       |
| 1272–1485.       | 1273–1530.       |
| 1485–1603.       | 1530–1648.       |
| 1603–1714.       | 1648–1788.       |
| 1714–1880.       | 1788–1880.       |

Candidates are required to take the special periods most nearly corresponding with each other in English and general history, and in studying the selected periods they are expected to make themselves acquainted with their social and literary history.

The following books, classed under the respective periods, are recommended to students for their careful study, especially the original authorities. A knowledge of French and German is presumed.

## 449–1066.

Kemble's Saxons in England.  
 Lappenberg's England under  
 Anglo-Saxon Kings.  
 Green's Making of England.  
 Green's Conquest of England.  
 Pearson's Early and Middle  
 Ages in England.  
 Innes' Scotland in the Middle  
 Ages.  
 Worsaae's Danes in England.  
 Freeman's Norman Conquest,  
 vols. 1 and 2.  
 Palgrave's Normandy and Eng-  
 land, vols. 1 and 2.  
 Gneist's English Constitution.

## 449–1095.

Gibbon's Decline and Fall of  
 the Roman Empire.  
 Milman's Latin Christianity,  
 vols. 3 and 4.  
 Finlay's History of Greece,  
 vol. 3.  
 Michelet's Hist. de la France,  
 vols. 1–3.  
 Pardessus sur la Loi Salique,  
 or Merkel's Lex Salica.  
 Sismondi's Republiques Itali-  
 ennes, vols. 1–3.  
 Giesebrecht, Geschichte der  
 Deutschen Kaiserzeit, vols.  
 1 and 2.  
 Waitz, Verfassungsgeschichte,  
 vol. 2.  
 Roth's Feudalität und Unter-  
 thanverband.  
 Fustel de Coulanges' Hist. des  
 Institutes Politiques de la  
 France, vols. 1, 2.  
 Thierry's Hist. des Gaulois.  
 Dahn's Die Deutschen Könige.

*Original Authorities.*

Anglo-Saxon Chronicle, edit.  
Thorpe.  
Ancient Laws and Institutes,  
edit. Thorpe.  
Lives of Edward the Confes-  
sor, edit. Luard.  
Memorials of St. Dunstan,  
edit. Stubbs.

1066-1272.

Freeman's Norman Conquest.  
Freeman's William Rufus.  
Stubbs' Early Plantagenets.  
Norgate's Angevin Kings.  
Lingard's History of England,  
vols. 3 and 4.  
Pauli's Geschichte von Eng-  
land.  
Robertson's Scotland under  
Early Kings.  
Blaauw's Wars of the Barons.  
Toulmin-Smith's English Guilds.  
Ellis' Introduction to Domes-  
day Book.

Historiæ Gregorii Turonensis.  
Precopius De Bello Gothico.  
Fredegarii Chronicon.  
Eginhardi Vita Caroli Magni.  
Pauli Diaconi Historia Longo-  
bardorum.  
Wittichindi Annales.  
Luitprandi Historia.

1096-1272.

Gibbon's Rome, vol. 8.  
Finlay's History of Greece,  
vols. 3 and 4.  
Milman's Latin Christianity,  
vols. 3 and 4.  
Giesebrecht Geschichte der  
Deutschen Kaiserzeit.  
Von Raumer, Geschichte der  
Hohenstauffen.  
Gfrorer, Der Papst Gregorius  
VII.  
Heyd's Commerce du Levant,  
vol. 1.  
Michelet's Hist. de la France,  
vols. 5 and 9.  
Sismondi's Rep. Italiennes,  
vols. 1-3.  
Von Sybel's History and Lit.  
of the Crusades.

*Original Authorities.*

Chronicon Matth. Parisii, edit.  
Madden.  
Hist. Rogeri de Hovedene, edit.  
Stubbs.  
Chronicon Riccardi I, edit.  
Thorpe.  
Gesta Henrici II and Riccardi  
I, edit. Thorpe.

1272-1485.

Longman's Life and Times of  
Edward III.  
Gairdner's Houses of Lancaster  
and York.

Joinville's Vie de St. Louis.  
Chronica Thietmar de Mers-  
berg.  
Chronicon Ekkehardi.  
Wipo, Vita Conradi II.  
Vita Henrici IV, Caes. Aug.

1272-1520.

Gibbon's Rome, vol. 8.  
Milman's Latin Christianity,  
vols. 5 and 6.

- Gairdner's Life and Reign of Richard III.  
 Brougham's England under the House of Lancaster.  
 Freeman's Essays, 1st series, on the French wars of Edward III and Henry V.  
 Burton's History of Scotland, vols. 4-6.  
 Fortescue's Gouvernance of England.  
 Sismondi's Rep. Italiennes, vols. 4 and 5.  
 Gregorovius, Geschichte der Stadt Rom., vols. 5 and 6.  
 Von Reumont's Lorenzo de Medici.  
 Villari's Life and Times of Machiavelli.  
 Amari's War of the Sicilian Vespers.  
 Prescott's Ferdinand and Isabella.  
 Michelet's Hist. de la France, vols. 9-14.  
 Perren's Histoire de Florence.  
 Heyd's Commerce du Levant, vol. 2.

*Original Authorities.*

- Paston Letters, edit. Gairdner.  
 Monumenta Franciscan, edit. Plumner.  
 Letters of reign of Henry IV, edit. Hingeston.  
 Wars of the English in France under Henry VI, edit. Shirley.  
 Matthew Paris, Chronica Majora, vol. 5.  
 Vita Henrici VII, Caes. Aug.  
 Vita Ludovici Bavariae.  
 Historia Frederici III.  
 Froissart's Chronicles.  
 Monstrellet's Chronicles.

1435-1603.

- Froude's History of England.  
 Bacon's History of Henry VII.  
 Brewer's Life of Henry VIII.  
 Burnet's History of the Reformation in England.  
 Friedman's Anne Boleyn.  
 Du Boy's Catherine of Aragon.

1530-1648.

- Ranke's History of the Popes.  
 Michelet's Hist. de la France, vols. 15-19.  
 Prescott's Life of Charles V.  
 Gindley's Thirty Years' War.  
 Creighton's, The Papacy during the Reformation.  
 Motley's Rise of the Dutch Republic.  
 Motley's History of the United Netherlands.  
 Gregorovius, Geschichte der Stadt Rom., vols. 7 and 8.

*Original Authorities.*

State Papers of Henry VIII,  
edit. Brewer.

Materials for the History of  
Henry VII, edit. Campbell.

1603-1714.

Ranke's History of England.

Gardiner's History of England.

Carlyle's Life of Cromwell.

Clarendon's History of the  
Great Rebellion.

Burnet's History of his own  
Time.

Macaulay's History of Eng-  
land.

Coxe's Life of Marlborough.

Burton's History of Queen  
Anne's Reign.

Lecky's History of the XVIII  
Century.

Petitot's Collection of Me-  
moires.

1648-1788.

Ranke's Französische Gesch-  
ichte.

Ranke's History of the Popes.  
Stanhope's War of the Spanish  
Succession.

Finlay's Greece, vol. 6.

Michelet's Hist. de la France,  
vols. 16-19.

Voltaire's Siècle de Louis XIV.

Cheruel's Histoire de France,  
pendant la Minorité de Louis  
XIV.

Les Memoires de St. Simon.

Carlyle's Frederick the Great.

Ranke's House of Branden-  
burg.

*Original Authorities.*

Hardwick's State Papers.

Pepy's Diary.

Evelyn's Diary.

State Papers of the period in  
the Roll Series.

1714-1880.

Lecky's History of the XVIII  
Century.

Lord Mahon's History of Eng-  
land.

Massey's Life and Times of  
George III.

Walpole's Reign of George II.  
" " " " III.

Buckingham's Reign of George  
IV.

Buckingham's Reign of Wil-  
liam IV.

Sir G. C. Lewis' Essays on the  
Administration of Great  
Britain.

Continuation of Petitot's Col-  
lection of Memoires.

1788-1880.

Sorel's Europe et la Revolu-  
tion.

Taine's Ancien Regime.

De Tocqueville's France before  
the Revolution.

Thiers' French Revolution.

Thiers' History of the First  
Consulate.

Von Sybel's French Revolu-  
tion.

Lanfrey's Life of Napoleon I.

Stein's Life by Seeley.

Metternich's Memoirs.

Jerrold's Life of Napoleon III.

McCarthy's History of the  
Georges.  
Alison's History of Europe and  
continuation.  
Molesworth's History of Eng-  
land from 1815.  
Wilson's History of British  
India.  
Bancroft's Constitution of the  
United States.  
Bryce's American Common-  
wealth.  
Kingsford's History of Canada.

Farini's History of Italy since  
1815.  
Gallenga's Italy, Present and  
Future.  
Finlay's Greece, vol. 7.  
Gervinus' Geschichte des XIX  
Jahrhunderts.

*Original Authorities.*

Hansard Reports.  
Annual Register.  
Pitt's Speeches.  
Burke's Speeches.

Diplomatic Correspondence.

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(b) ENGLISH LITERATURE. For subjects, see Course 2.

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*4. Course for the Degree of Ph.D. in History and  
Modern Literature.*

(a) HISTORY. For subjects, see Course 3.

(b) MODERN LITERATURE. For subjects, see Course 2.

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*5. Course for the Degree of Ph.D. in English  
Literature and Political Science.*

(a) ENGLISH LITERATURE. For subjects, see Course 2.

(b) POLITICAL SCIENCE.

1. Politics :—

Aristotle's Politics.  
Dante's De Monarchia.  
Spinoza's Tractatus Politicus.  
Rousseau's Contrat Social.

Bluntschli's Theory of the Modern State.  
 Pulszky's Theory of Law and Civil Society.  
 Waitz's Grundzüge der Politik.

## 2. Economics :—

Ricardo's Principles of Political Economy.  
 Roscher's Political Economy.  
 Fawcett's Political Economy.  
 Cairnes' Logical Method of Political Economy.  
 Sidgwick's Principles of Political Economy.  
 Knies' Die Politische Oekonomie vom geschichtlichen Standpunkte.

Candidates are recommended to consult the works of such authors as the following :

In Politics—Bentham, Burke, Austin, Hegel, Montesquieu, Pollock, Freeman.

In Economics—Rogers, Walker, Jevons, Bagehot, Toynbee, Ashley, Schönberg, Kautz, Wagner.

3. All candidates must offer *one* of the following special subjects. They are expected to be familiar with the standard books on the subject offered. The names are given of a few authors whose books are recommended.

Origin and Development of Social and Political Institutions:

Maine, McLennan, Laveleye, Morgan, Coulanges.

Relations of Capital and Labour, Socialism, &c.:

Marx, Walker, Ely, Howell, Böhmert, Rae, Schäffle, Scheel.

Money, Banking, Stock Exchange:

Walker, Jevons, Bagehot, Gilbert, McLeod, Grump.

Taxation, Local Municipal Government:

Cossa, Sargent, Ely, Giffen, Traill, Vine, Jameson, Bourinot.

Colonies and Colonial Policy, Immigration and Emigration:

Arnold, Hereen, Merivale, Lewes, Cairnes, Seward.



Development of English Industrial and Economic Relations:

Seeböhm, Ashley, Levi, Rogers, Cunningham.

Land and Land Questions:

Pollock, Kinnear, Walker, Card, Kay, Eggleston.  
George.

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*6. Course for the Degree of Ph.D. in History and Political Science.*

(a) HISTORY. For subjects, see Course 3.

(b) POLITICAL SCIENCE. For subjects, see Course 5.

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*7. Course for the Degree of Ph.D. in Mental and Moral Philosophy.*

(a) PHILOSOPHICAL SYSTEMS.

Candidates may offer any one of the following :—

1. The Philosophy of Aristotle, with special reference to the *De Anima*, *Nicomachean Ethics* and *Politics*. Ability to translate these books is presumed.

2. The Philosophy of Hegel, with special reference to the *Encyklopädie*, I and III, *Wissenschaft der Logik*. I and III, *Phänomenologie des Geistes*, pp. 1–168, and *Philosophie des Rechts*.

3. The Philosophy of Comte, as contained in the *Cours de Philosophie Positive* and *System of Positive Polity*.

4. The Philosophies of Schopenhauer, Hartmann and Lotze, with special reference to Schopenhauer's *World as Will and Idea*, Hartmann's *Philosophy of the Unconscious*, and Lotze's *Microcosmus* and *System of Philosophy*.

5. English Empirical Philosophy, as represented by James Mill's *Analysis of the Human Mind*, J. S. Mill's *Logic*, Examination of Hamilton and Utilitarianism, Bain's *Senses and Intellect*, *Emotions and Will*, Herbert Spencer's *First Principles*, *Psychology and Data of Ethics*.

Acquaintance with the best recent criticism is in all cases required.

(b) PRINCIPLES OF PHILOSOPHY.

Candidates must profess one of the following branches of Philosophy:

1. The Principles of Logic. References : The logical treatises of Hegel, Mill, Jevons, Venn, Lotze, Bradley and Bosanquet.

2. The Principles of Psychology. References : The psychological works of James Mill, J. S. Mill, Bain, Wundt, Sully, Ladd, James and Lotze.

3. The Principles of Ethics. References : The ethical works of J. S. Mill, Bain, Sidgwick, Green, Bradley, Spencer, Stephen and Martineau.

4. The Principles of Æsthetics. References : The æsthetic treatises of Aristotle, Kant, Schiller, Lessing, Hegel, Lotze, Schasler and Ruskin.

5. The Principles of Political Science. References : See Honour work in Political Science for degree of M.A.

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## II. DEGREE OF D.Sc.

### 1. *Course for the Degree of D.Sc. in Pure and Applied Mathematics.*

Candidates for this degree must take first class honours in course 9 (Pure Mathematics) and first class honours in course 10 (Physics).

They must, in addition, show an intimate knowledge of at least one subject from each of the following groups :—

1.    { Modern Geometry and Trigonometry.  
       { Higher Algebra.
2.    { Dynamical theory of Heat.  
       { Dynamical theory of Electricity.

The titles of books bearing on the foregoing subjects can be obtained by communication with the professors.

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## *2. Course for the Degree of D.Sc. in Chemistry, Mineralogy, Botany, Zoology and Geology.*

The degree is open only to those who have taken the degree of M.A. in courses 11, 12, 13 and 14.

Candidates are required to have a thorough knowledge, practical and theoretical, of the subjects in one of the following subdivisions :

### 1. Chemistry :

- (1) Inorganic Chemistry.
- (2) Organic Chemistry.
- (3) Chemical Analysis.

Chemistry in its relations to

- (4) Mineralogy.
- (5) Biology.
- (6) Industries.

Any two of these may be chosen as *chief subjects*.

### 2. Mineralogy :

- (1) Systematic Mineralogy.
- (2) Mineralogy in its relations to Chemistry and Geology.
- (3) Petrography.
- (4) Ore Deposits.

- (5) Determinative Mineralogy.
- (6) Assaying.
- (7) Economic Mineralogy of Canada.

### 3. Botany :

- ✓ (1) Special Studies in Vegetable Histology and Physiology.
- (2) A practical acquaintance with the Cryptogamic Flora of Canada.
- (3) Biology and Chemistry of Ferments.

### 4. Zoology :

- (1) Animal Physiology and Embryology.
- (2) Osteology and Odontography of Vertebrata.
- (3) Special Study of Invertebrata (Canadian).
- (4) Physiological Chemistry.

### 5. Geology :

- (1) Methods of Geological investigation.
- (2) Palæontology.
- (3) Crystallography.
- (4) Petrology, Preparation of rock sections.
- (5) Special study of Minerals of Canada, their chemical composition and economic value.

Detailed information to be obtained from the professors.

### 3. Biology :

Comparative anatomy & Physiology;  
Chemistry of Ferments;

Bacteriology; with one of the following groups  
I. (1) Special studies in Vegetable Histology & Physiology.

(2) A practical acquaintance with the Cryptogamic Flora of Canada.

II. As above under Zoology.

a Thesis detailing original work done in one of these subjects.

## FACULTY OF THEOLOGY.

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### MATRICULATION.

Matriculation and B.D. Examinations begin on Thursday, Oct. 27th. Candidates must give notice to the Secretary of the Faculty on or before Oct. 20th.

The prescribed order of classes must be observed by all students who are candidates for the degree of Bachelor of Divinity.

#### *Subjects of Examination :*

- 1892-93—Westminster Confession.
  - Hill's Lectures, Book I.
  - Acts 1-12, in Greek and English.
  - Examination in Hebrew on regular verb and pronouns, and on the translation and analysis of Gen. I and XXXV.
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#### *Subjects of Study.*

### I.—DIVINITY.

Lectures will be given on :

- Comparative Religion.
- The Canonicity, Authenticity, Genuineness and Credibility of the Biblical Records.
- The Inspiration and Authority of the Scriptures.
- Systematic Theology.
- The Pastoral Office and Homiletics.
- Text Book, Hill's Lectures in Divinity.

### II.—HEBREW AND CHALDEE.

#### *First Year.*

- Wolfe's Hebrew Grammar.
- Gen. XL.
- Ruth I-IV.
- 1 Sam. IX-XII.
- Ps. XXIII-XXXIV.

#### *Second Year.*

- Gesenius' Hebrew Grammar.
- Deut. X, XI.
- Prov. XX, XXI.
- Jer. XXIX-XXXI.
- Zech. VIII-XIV.
- Ps. CX, CL.

*Third Year.*

Gesenius' Hebrew Grammar.

Job XL-XLII.

Hosea XII-XIV.

Is. LIII-LIX.

Ps. LXV-LXXIX, CXXVII-CL.

Winer's Chaldee Grammar, or

Riggs' Chaldee Manual.

Dan. II, III, IV, VII.

Ezra IV.

**III. APOLOGETICS.**

1. Lectures on the history of Apologetics from the beginning of the 16th century.

2. Lectures on Fundamental Apologetics.

3. Prelections on Butler's Analogy, Part II.

**IV. BIBLICAL CRITICISM.**

1. Old Testament Exegesis:—

Ex. XIX-XXIV, Is. X-XVI, XL-XLVI, Septuagint, Lectures.

2. New Testament Exegesis:—

The Four Gospels and the Catholic Epistles. Lectures on Introduction and Criticism.

**V. CHURCH HISTORY.**

Lectures on the period from the Reformation.

The Church requires the following discourses to be delivered during the course :—Homily ; Lecture and Greek Exercise ; Sermon and Hebrew Exercise.

**PASS EXAMINATION.**

On the work of the Session.

**DEGREE OF BACHELOR OF DIVINITY.****REGULATIONS.**

1. Candidates for the degree of Bachelor of Divinity (B.D.) must be Graduates in Arts of this University, or of a University whose degrees are recognized by the Senate.

2. The degree shall not be conferred until the candidate has completed the theological curriculum, with a view to the ministry in the church to which he belongs, and has passed a satisfactory examination in the branches of Theology taught in the University.

3. The subjects of examination shall be in two departments: the first embracing (1) Hebrew and Chaldee, (2) the Evidences of Religion, Biblical Introduction and the Inspiration of Scripture; the second embracing: (1) Church History, (2) Biblical Criticism, (3) Systematic Theology.

4. Candidates who have completed the theological course may be examined in either of these departments, and may defer their examination in the other department, provided there be not a greater interval than two years between their two examinations.

5. Students may be admitted to examination in the first department at the end of the second session of their theological course.

6. A candidate may, subject to the preceding regulations, appear at any University examination in Theology, provided he gives two weeks notice of his intention to the Registrar.

*Subjects of Examination:*

DEPARTMENT I.

1. Evidences of Religion, Biblical Introduction, Inspiration of Scripture.

2. Hebrew, Isaiah XL-LXVI. Chaldee, Daniel II, III, IV, VII.

DEPARTMENT II.

1. *Church History*—Centuries I-III; the Reformation; the Church in Scotland.



2. *Biblical Criticism*—Epistle to Romans, in Greek; Biblical Hermeneutics; Hammond's Textual Criticism of New Testament; Introduction to Pentateuch and Gospel of John; the Latter Prophets in LXX.

3. *Systematic Theology*—Person of Christ, Doctrine of Sin, Doctrine of the Atonement, Justification, Work of the Holy Spirit.

The following books may be consulted :

Paley's Evidences.

Butler's Analogy.

Flint's Theism and Anti-Theistic Theories.

Mozley's Bampton Lectures on Miracles.

Trench on the Miracles (preliminary essay).

Westcott on the Canon of the New Testament.

Briggs' Messianic Prophecy.

Dorner on the Person of Christ.

Liddon's Bampton Lectures on our Lord's Divinity.

Tulloch on the Christian Doctrine of Sin.

Crawford on the Atonement.

Anselm's Cur Deus Homo.

Hill's Lectures in Divinity.

Christian Dogmatics (Van Oosterzee's and Martensen's).

Keil on the Old Testament, and Bleek on the New Testament.

Robertson's Early Religion of Israel.

Killen's Old Catholic Church.

Fisher's History of the Reformation.

Biblical Hermeneutics (Elliott & Harsha).

## *FACULTY OF LAW. DEGREE OF LL.B.*

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1. Undergraduates who are taking the Honour course of the University in History and Political Science may, after completing that course, proceed to the degree of LL.B. by passing on the following works :—

Dicey's Law of the Constitution.  
Harris' Principles of Criminal Law.  
Hardcastle on Statutes.  
Westlake's Private International Law.  
Wheaton's International Law.  
Justinian's Institutes (Sandars).

2. Graduates will be allowed any subjects in the above course which they may have already passed in Arts.

3. Barristers-at-law or persons who may have been admitted as Students-at-law by the Law Society of Upper Canada and have passed their second Intermediate Examination will be admitted to the degree by passing on the Honour course of the University in History and Political Science, together with the works specified in section 1.

4. Graduates of this or any recognized University, being Barristers-at-law, will be admitted to the degree by passing on the following works, in addition to those specified in section 1.

Bourinot's Manual of Constitutional History of Canada.  
Bryce's American Commonwealth. Vol. I.  
Bagehot's English Constitution.  
Gneist's History of the English Constitution.  
Holland's Elements of Jurisprudence.  
Maine's Ancient Law.

5. Candidates are required to send notice to the Registrar, on or before the 1st day of March, of their intention to present themselves for any of the examinations.

## *GRADUATION IN MEDICINE.*

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The degree of Doctor of Medicine (M.D.) is conferred upon candidates who comply with the following regulations:

1. Except as provided in the next regulation, every candidate must pass a matriculation examination upon the following subjects :

English Language, Grammar, and Composition.

Arithmetic.

Algebra, to the end of Simple Equations.

Geometry, first two books of Euclid.

Latin, as in Arts, or a full equivalent.

Options, one of which must be taken : Stewart's Physics.  
or one book in Greek, French, or German.

2. Matriculants in Arts, graduates from a recognized University, and students who have passed the examination of the College of Physicians and Surgeons of Ontario, or of Quebec, are not required to pass the above examination.

NOTE.—As the Royal College of Physicians and Surgeons (England) requires Physics in matriculation, those intending to take its degree should pass in Stewart's Physics.

3. Candidates who are not graduates in Arts must furnish evidence of having attended some recognized Medical School for not less than four full sessions, and must pass all the required examinations.

Candidates who are graduates in Arts will be required to attend only three sessions.

4. All candidates must furnish evidence of having had six months' experience in dispensing medicines in a physician's office.

### **EXAMINATIONS.**

5. The examinations required are First Year, Primary, Intermediate, and Final.

(a) The First Year examination is upon Botany and Theoretical Chemistry.

(b) The Primary examination is upon Practical Chemistry, Analytical Chemistry and Physiology.

Students who are graduates in Arts are allowed to take the First Year and Primary examinations at the same time.

(c) The Intermediate examination is upon Anatomy, Materia Medica, Sanitary Science, Medical Jurisprudence and Histology, and is open to students at the close of their third session. Two sessions' attendance on each subject is required.

(d) The Final examination is open to students at the close of their course, and is upon Practice of Medicine, Surgery, Surgical Anatomy, Midwifery, Clinical Medicine, Clinical Surgery and Pathology. Two sessions' attendance on each is required.

6. A candidate cannot be admitted to any of the foregoing examinations until he has matriculated.

#### **PRIZES.**

Besides University Prizes, and Medals, open to Medical students, the following Prizes are offered by the Faculty every year, viz. : Two House Surgeoncies of the Kingston Hospital, six months each, and two Demonstratorships of Anatomy, value \$50 each. These prizes are awarded to the four students making the highest number of marks at the second professional examination.

#### **NOTICES.**

1. The examinations of the Medical Council are held in the City of Kingston.

2. Persons desiring to obtain full information respecting the curriculum in Medicine, fees, etc., should apply to the Registrar, or the Dean of the Royal College, or the Dean of the Women's Medical College.

*SCHOLARSHIPS, OTHER THAN  
MATRICULATION.*

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**AWARDED ON SESSIONAL EXAMINATIONS.**

FOUNDATION NO. 1.

Value \$50. Awarded in Senior Latin.

FOUNDATION NO. 2.

Value \$50. Awarded in Senior Greek.

FOUNDATION NO. 3.

Value \$50. Awarded in Senior English Literature.

FOUNDATION NO. 4.

Value \$50. Awarded in Junior Philosophy.

FOUNDATION NO. 5.

Value \$50. Awarded in Junior Physics.

FOUNDATION NO. 6.

Value \$50. Awarded in Junior Mathematics.

THE CATARAQUI.

Given by J. B. Carruthers, Esq., Kingston. Value \$50. Awarded in Junior Chemistry.

THE RIVERS WILLSON.

Given by Rivers Willson, Ph.D., Oxford, England. Value \$20. Awarded in Sanitary Science and Medical Jurisprudence.

THE NICHOLLS.

Founded by the late Mrs. Charlotte J. Nicholls of Peterboro. Value \$100. Awarded to a student taking a post-graduate course and assisting the Librarian.

*SCHOLARSHIPS IN THEOLOGY.***I. MATRICULATION SCHOLARSHIPS.**

## DAVID STRATHERN DOW.

Founded in 1866 by David Strathern Dow, Esq.,  
Whitby, Ont. Value, \$85.

## BUCHAN NO. 1.

Founded in 1875 by bequest of the Rev. Alexander  
Buchan, Stirling, Ont. Value, \$75.

## BUCHAN NO. 2.

Founded by Rev. A. Buchan. Value, \$60.

## BUCHAN NO. 3.

Founded by Rev. A. Buchan. Value, \$50.

## DOMINION.

Founded in 1870 by a gentlemen now resident in Nova  
Scotia. Value \$70.

## M'INTYRE.

Founded in 1876 by Mrs. Margaret W. McIntyre,  
Perth, Ont. Value \$20.

**II. SCHOLARSHIPS AWARDED AT CLOSE OF SESSION,**

## ANDERSON, NO. 1.

Given by Robert Anderson, Esq., Montreal. Value,  
\$40. Awarded in First Year Divinity.

## ANDERSON, NO. 2.

Given by Robert Anderson, Esq. Value, \$40. Award-  
ed in Second Year Divinity.

## ANDERSON, NO. 3.

Given by Robert Anderson, Esq. Value, \$20. Awarded in Third Year Divinity.

## GLASS MEMORIAL.

Founded in memory of the late Henry Glass, Esq., of Sarnia, by his widow. Value, \$30. Awarded in Church History.

## TORONTO.

Founded by the Ladies' Association of St. Andrew's Church, Toronto. Value, \$60. Awarded in Second Year Hebrew.

## ST. PAUL'S CHURCH, HAMILTON.

Founded by the Ladies' Association of St. Paul's Church, Hamilton. Value, \$50. Awarded in Third Year Hebrew and Chaldee.

## ST. ANDREW'S CHURCH, TORONTO.

Given by the session of St. Andrew's Church, Toronto. Value, \$50. Awarded in O. and N. Testament Exegesis.

## RANKINE.

Founded in 1881 by the late Alexander Rankine, Esq., Leamington, Eng. Value, \$55. Awarded in Apologetics.

## LEITCH MEMORIAL NO. 2.

Founded in 1867 in memory of the late Principal Leitch, by subscribers in Scotland and Canada. Value, \$80. Awarded upon a Sessional Examination, and tenable during three successive years, should the successful candidate, after the completion of his theological curriculum at this University, continue his studies at this or any



European University. Candidates must have the degree of B.A. The next competition will take place in April, 1895. Subjects of examination :—The Epistles to the Romans and Hebrews in Greek, Psalms I–XXV in Hebrew, Butler's Analogy and the Divinity Lectures of the session.

#### SPENCE.

Founded in 1879 by the late Rev. Alex. Spence, D.D., formerly minister of St. Andrew's Church, Ottawa. Value, \$60. Awarded upon the Sessional Examination at the close of the first year in Divinity, O. and N. T. Exegesis, and Apologetics or Hebrew. Tenable during the second and third years in Theology. The next competition will take place in 1894.

#### SARAH M'CLELLAND WADDELL MEMORIAL.

Founded in 1889 by Hugh Waddell, Esq., South Monaghan, Ont., in memory of his mother, Sarah McClelland. Value, \$120. Awarded upon the Sessional Examination at the close of the first year in Divinity, O and N. T. Exegesis and Elocution. Competition will take place in 1893.

#### JAMES ANDERSON BURSARY.

Founded by the late James Anderson, Acton, Ont. Value, \$30. Awarded by the Senate to a student who can preach in Gaelic.

#### WILLIAM MORRIS BURSARY.

Founded by the late Alexander Morris, P.C., in memory of his father. Value, \$60. Awarded by the Senate to a Divinity student taking a post-graduate course in the University.

**UNIVERSITY PRIZES.**

These are prizes in money for literary articles, essays, etc., as specified under each particular prize, and are open to students of the present or preceding session.

**CONDITIONS OF COMPETITION.**

1. Competitive papers must be given in to the Secretary of the Senate not later than 7th November.

2. Each paper is to bear a motto, instead of the author's name, and must have attached to it a sealed envelope, bearing the same motto and containing a written declaration over the author's signature, to the effect that it is his unaided composition.

3. The envelope attached to successful papers shall be opened and the writer's name made known at Convocation at the close of the session.

4. The best productions must be reported by the examiners to be of sufficient merit.

5. All successful productions shall be the property of the University, and be at the disposal of the Senate.

**LEWIS.**

Value, \$25. Given for the best lecture on Matt. IX, 1-8 inclusive.

**M<sup>c</sup>BEAN.**

Value, \$25. Given by A. G. McBean, Esq., B.A., Montreal, for the best essay on "The principle of Evolution in its application to Ethics."

**GOWAN FOUNDATION.**

Value, \$25. Given by the Honourable Senator Gowan, LL.D., for the best essay on "The relation of the Municipality to Natural Monopolies."

**JOHNSON.**

Value, \$20. Given by James Johnson, Esq., Ottawa,

for the best essay on "Canada's Future, Possibilities, and Probabilities."

#### GOWAN FOUNDATION.

Value, \$25. Given by the Honourable Senator Gowan, LL.D., for "The best collection of Canadian Plants." The collection must be delivered before the 15th December.

#### LATIN AND GREEK PROSE COMPOSITION.

Two prizes, each of the value of \$10 in books, are offered for competition for the best composition in Latin and Greek Prose respectively. Subjects for composition, 1892-93 :—Latin Prose, Burke's Speeches, *Nabob of Arcot's Debts*, from "I know that the ministers"..... to "a lesson to the world." Greek Prose, Grote's *History of Greece*, Chap. LX, from "Such despair" to "after adequate preparation."

#### THORBURN.

Value, \$40. Given by John Thorburn, Esq., M.A., LL.D., for the best history of any county in Ontario east of the county of Hastings. The history must contain details of such matters as the original characteristics, struggles, etc., of the first settlers; the rise and progress of municipal institutions, mechanics' institutions, benevolent, industrial and other establishments, newspapers, etc.; the first churches, schools, etc.; the development of agricultural and mineral resources; and events of a general character by which the country may have been particularly affected. *Any person may compete.* Competitive papers must be in the hands of the Registrar, Rev. George Bell, LL.D., not later than 15th February. The successful history, or a copy of it, shall be placed in the archives office at Ottawa.

**MEDALS**

University Medals will be awarded to the candidates who obtain the highest number of marks in the Honour courses leading to the degree of M.A.

Candidates for medals are required at their final examination to take all the honour papers in the work of the courses which they select. No medal will be awarded to any candidate who fails to obtain three-fourths of the whole number of marks.

## LIST OF STUDENTS.

SESSION 1891-92.

## IN ARTS.

*Those marked with an asterisk are Students for the Ministry of the Presbyterian Church of Canada.*

| Name.                | Year of<br>Atten-<br>dance. | Summer Residence.    | Where Educated.                  |
|----------------------|-----------------------------|----------------------|----------------------------------|
| Allen, Maggie D..    | 3                           | Kingston.....        | Kingston C. I.                   |
| Allen, Mary.....     | 2                           | Kingston.....        | Kingston C. I.                   |
| Alcombrack, R. W.    | 1                           | Hawley.....          | Napanee H. S.                    |
| Anglin, Francis R.   | 4                           | Kingston.....        | Kingston C. I.                   |
| Anglin, Sara E...    | 4                           | Kingston.....        | Kingston C. I.                   |
| Asselstine, D. P..   | 4                           | Kingston.....        | Kingston C. I.                   |
| Asselstine, F. M..   | 4                           | Asselstine.....      | Whitby Ladies Coll.              |
| Asselstine, R. W..   | 2                           | Kingston.....        | Kingston C. I.                   |
| Baker, Hattie M..    | 5                           | Kingston.....        | Louise Sch., Kingston.           |
| Baker, William C.    | 1                           | Kingston.....        | Kingston C. I.                   |
| Barr, Janet.....     | 1                           | Seaforth.....        | Seaforth C. I.                   |
| Barr, Isabel.....    | 1                           | Seaforth.....        | Seaforth C. I.                   |
| Beaton, Alex. H..    | 3                           | Orillia.....         | Orillia H. S.                    |
| Begg, Colin L...     | 1                           | Orillia.....         | Orillia H. S.                    |
| Bennett, J. W. C..   | 2                           | Almonte.....         | Almonte H. S.                    |
| Bennett, Chas. V.    | 2                           | Omeme.....           | Omeme H. S.                      |
| Best, David W....    | 3                           | Mount Pleasant.      | St. Catharines C. I.             |
| Beveridge, Alice B.  | 4                           | Portland, Me....     | Private.                         |
| Blain, Aileen.....   | 1                           | Kingston.....        | Private.                         |
| Boddy, Martha...     | 3                           | Owen Sound....       | Collingwood C. I.                |
| Brokenshire, John.   | 3                           | Renssalaace Falls.   | Kingston C. I.                   |
| Brown, James C..     | 2                           | Williamstown...      | Williamstown H. S.               |
| Bryan, Hugh W..      | 3                           | Kingston.....        | Kingston C. I.                   |
| Burns, Samuel S..    | 6                           | Navan.....           | Public School.                   |
| Burton, Samuel...    | 1                           | Kingston.....        | Kingston C. I.                   |
| Byers, Robert P..    | 4                           | Yorkton, Assa...     | Gananoque H. S.                  |
| Cameron, C. K. D.    | 3                           | Iroquois.....        | Iroquois H. S.                   |
| *Cameron, Donald     | 5                           | Glen William, P.E.I. | Prince of Wales Coll.            |
| Cameron, Lillie T.   | 1                           | Kingston.....        | { Girls Public Day Sch.<br>Eng.. |
| Cameron, N. S. E. L. | 1                           | Kingston.....        | { Girls Public Day Sch.<br>Eng.  |
| Campbell, Colin D.   | 3                           | Dunvegan.....        | Renfrew H. S.                    |
| Campbell, Geo. D.    |                             | Renfrew.....         | Renfrew H. S.                    |
| Campbell, L. A...    | 1                           | Arnprior.....        | Arnprior H. S.                   |

\*Deceased.

| Name.               | Year of<br>Atten-<br>dance. | Summer Residence. | Where Educated.          |
|---------------------|-----------------------------|-------------------|--------------------------|
| Campbell, P. McG.   | 4                           | Admaston .....    | Renfrew H. S.            |
| Carson, Joseph T.   | 1                           | Simcoe.....       | Model School.            |
| Chisholm, Wm. I.    | 2                           | Lakeside.....     | Ingersoll C. I.          |
| Clark, William T..  | 1                           | Kingston.....     | Kingston C. I.           |
| Claxton, Edwin H.   | 1                           | Inverary.....     | Kingston C. I.           |
| Clothier, James O.  | 3                           | Kemptville .....  | Kemptville H. S.         |
| Clune, Ella.....    | 3                           | Winnipeg.....     | St. Joseph's, Toronto.   |
| Conn, James R...    | 1                           | Ottawa .....      | Ottawa C. I.             |
| Connell, Jessie C.: | 4                           | Dundas. ....      | Dundas H. S.             |
| Connolly, Harry A.  | 1                           | Cataraqui .....   | Kingston C. I.           |
| Croskery, R. A...   | 2                           | Perth.....        | Perth C. I.              |
| Cummings, B. E..    | 1                           | Anson .....       | Stirling and Mt. Forest. |
| Currie, Edward C:   | 2                           | Sonya.....        | Newmarket H. S.          |
| Curtis, Guy.....    | 6                           | Delta .....       | Albert College.          |
| Davis, William H.   | 4                           | Oella, Md.....    | Philadelphia H. S.       |
| Day, Alfred E....   | 2                           | Kingston.....     | Kingston C. I.           |
| Denyes, James M.    | 3                           | Odessa.....       | Kingston C. I.           |
| Detlor, William T.  | 1                           | Napanee.....      | Napanee H. S.            |
| Donovan, Mary...    | 4                           | Elginburg ....    | Sydenham H. S.           |
| Downing, Joseph J   | 5                           | Kingston.....     | Kingston C. I.           |
| Dyde, Charles B..   | 2                           | Kingston.....     | Kingston C. I.           |
| Easton, William H.  | 4                           | Easton's Corners. | Smith's Falls H. S.      |
| Elliot, Walter H..  | 4                           | Hamilton.....     | Private.                 |
| Falconer, Chas. S.  | 2                           | Alexandria.....   |                          |
| Farquharson, R. A.  | 3                           | Kincardine .....  | Whitby C. I.             |
| Fee, William M...   | 3                           | Camden East....   | Newburgh H. S.           |
| Feir, Harry.....    | 1                           | Omemee.....       | Omemee H. S.             |
| Ferguson, Geo. A.   | 2                           | Napanee.....      | Napanee H. S.            |
| Finlayson, R. A...  | 4                           | N. E. Margaree.   | Pictou Academy.          |
| Fitzpatrick, Alfred | 7                           | Pictou, N.S....   | Pictou Academy.          |
| Ford, Alexander B.  | 3                           | Kingston .....    | Kingston C. I.           |
| Fox, Charles B...   | 2                           | Napanee.....      | Napanee C. I.            |
| Fraser, Annie E..   | 2                           | Kingston .....    | Private.                 |
| Fraser, James R.:   | 3                           | Lorne, N.S.....   | Pictou Academy.          |
| Gallup, Eleazer C.  | 4                           | Ottawa .....      | Ottawa C. I.             |
| Gaylord, Thos. W.   | 1                           | Deseronto .....   | Deseronto H. S.          |
| Gibson, James C..   | 4                           | Kingston .....    | Kingston C. I.           |
| Gillen, Erastus.... | 1                           | Kingston .....    | Belleville H. S.         |
| Gillies, John S.... | 4                           | Carleton Place..  | Carleton Place H. S.     |
| Glover, Thomas J.   | 2                           | Camden East....   | Newburg and Napanee.     |
| Goodfellow, Joseph  | 1                           | Parham .....      | Syden'm&Kingston C. I.   |
| Goodwin, Margaret   | 3                           | Kingston .....    | Kingston C. I.           |
| Graham, Archibald   | 5                           | Menie.....        | Campbellford H. S.       |
| Grant, Andrew F.    | 2                           | Bridgeworth ....  | Private.                 |

| Name.                | Year of<br>Atten-<br>dance. | Summer Residence. | Where Educated.         |
|----------------------|-----------------------------|-------------------|-------------------------|
| Grant, Hugh R...     | 3                           | Rankin .....      | Ottawa C. I.            |
| Grant, William L.    | 3                           | Kingston .....    | Kingston C. I.          |
| Gray, Samuel H...    | 2                           | Brampton .....    | Brampton H. S.          |
| Griffith, Agnes J... | 1                           | Kingston .....    | Picton H. S.            |
| Guess, George A...   | 2                           | Kingston .....    | Sydenham H. S.          |
| Guess, Harry A...    | 2                           | Kingston .....    | Sydenham H. S.          |
| Hallett, William J.  | 2                           | Lindsay .....     | Battersea Tr. Coll.     |
| Hamilton, David J.   | 1                           | Cataraqui. ....   | Kingston C. I.          |
| Hamilton, John C.    | 2                           | Smith's Falls...  | St. Catharines C. I.    |
| Harvey, Katherine.   | 1                           | Sydenham .....    | Barrie H. S.            |
| Harvey, Wm. B...     | 2                           | Sydenham .....    | Private.                |
| Haydon, Andrew...    | 3                           | Pakenham .....    | Almonte H. S.           |
| Herbison, Robert.    | 2                           | Sand Bay.....     | Brockville C. I.        |
| Herbison, Wm. J.     | 2                           | Sand Bay.....     | Brockville C. I.        |
| Hill, Richard.....   | 2                           | Dundas.....       | Hamilton C. I.          |
| Hodgins, James C.    | 1                           | Faraisho.....     | Private.                |
| Holmes, Stephen S.   | 1                           | Athens .....      | Athens H. S.            |
| Honeywell, Ira E.    | 2                           | City View.....    | Ottawa C. I.            |
| Horsey, Henry H.     | 2                           | Ottawa .....      | Ottawa C. I.            |
| Hugo, Frank.....     | 4                           | Kingston .....    | Kingston C. I.          |
| Hunter, Hugh A...    | 4                           | Smith's Falls...  | Farmersville H. S.      |
| Hunter, Robert F.    | 4                           | Smith's Falls...  | Farmersville H. S.      |
| Hutcheon, R. J...    | 5                           | Burnbrae .....    | Campbellford H. S.      |
| Ilett, Ambrose E...  | 2                           | Kingston .....    | Kingston C. I.          |
| Irving, William G.   | 3                           | Riverside, Cal... | Kingston C. I.          |
| Instant, Reg'ald A.  | 1                           | Emerald .....     | Kingston C. I.          |
| Johnston, John...    | 2                           | Forester's Falls. | Renfrew H. S.           |
| Johnston, John W.    | 3                           | Athens .....      | Athens H. S.            |
| Keith, Alexander.    | 2                           | Lindsay .....     | Lindsay C. I.           |
| Keith, William...    | 1                           | Halifax, N. S...  | Upper Canada Coll.      |
| Kellock, J. McC...   | 4                           | Spencerville .... | Kemptville H. S.        |
| Kellock, W. McC.     | 2                           | Spencerville .... | Kemptville H. S.        |
| King, Wm. W ...      | 1                           | Kingston .....    | Kingston C. I.          |
| Kirkconnell, T....   | 2                           | Port Hope.....    | Kincardine H. S.        |
| Kirkpatrick, C. S.   | 4                           | Kingston .....    | Upper Canada Coll.      |
| Kirkpatrick, H. R.   | 1                           | Kingston .....    | Kingston C. I.          |
| Kirkwood, John C.    | 1                           | Brampton .....    | Brampton H. S.          |
| Knapp, Albert E...   | 3                           | Elginburg .....   | Sydenham H. S.          |
| Laing, Douglas...    | 2                           | Kingston .....    | Woodstock Coll.         |
| Laird, Robert.....   | 3                           | Sunbury .....     | Picton Acad. and K.C.I. |
| Lavell, Alfred E...  | 5                           | Kingston.....     | Kingston C. I.          |
| Lavell, Cecil F...   | 2                           | Kingston.....     | Kingston C. I.          |
| Leitch, James A...   | 5                           | Renfrew.....      | Renfrew H. S.           |
| Lockhart, Thos. J.   | 5                           | Kingston.....     | Sydenham H. S.          |



| Name.                | Year of<br>Atten.<br>dance. | Summer Residence.  | Where Educated.                           |
|----------------------|-----------------------------|--------------------|---|
| Lowe, George R..     | 3                           | Cobden.....        | Carleton Place H. S.                      |
| Malcolm, George..    | 5                           | Stratford.....     | Collingwood C. I.                         |
| Malone, Herb. V..    | 3                           | Garden Island...   | Garden Isl'd Pub. Sch.                    |
| Marty, Aletta E...   | 4                           | Lindsay.....       | Mitchell H. S.                            |
| Marty, Sophie E..    | 4                           | Peterboro. ....    | Strathroy H. S.                           |
| Massie, Agnes M..    | 2                           | Kingston.....      | Kingston C. I.                            |
| Menzies, Alex. D.    | 3                           | Glen Tay.....      | Perth C. I.                               |
| Millar, James L...   | 3                           | Brighton.....      | Trenton H. S.                             |
| Millar, John.....    | 6                           | Willarton.....     | { Stratford C. I. and<br>Kincardine H. S. |
| Millar, William...   | 1                           | Wiarton.....       | Kincardine H. S.                          |
| Mitchell, Joel W..   | 2                           | Landsdowne....     | Athens H. S.                              |
| Mitchell, S. Alfred. | 2                           | Kingston.....      | Kingston C. I.                            |
| Moffatt, William..   | 2                           | Carleton Place...  | St. Catharines C. I.                      |
| Mooers, Henry F..    | 2                           | Kingston.....      | Kingston C. I.                            |
| Moore, James R...    | 2                           | Brockville.....    | Athens H. S.                              |
| Morton, Thos. P..    | 2                           | Ottawa.....        | Ottawa C. I.                              |
| Mowat, John McD.     | 3                           | Kingston.....      | Kingston C. I.                            |
| Murray, Minnie...    | 4                           | Kingston.....      | Kingston C. I.                            |
| Murray, Thos. N..    | 2                           | Orillia.....       | Orillia H. S.                             |
| McArthur, Bessie.    | 4                           | Kingstan.....      | Private.                                  |
| McColl, James A..    | 3                           | Campbellford...    | Campbellford H. S.                        |
| McCreary, R. N..     | 1                           | Carleton Place...  | St. Catharines C. I.                      |
| McDonald, Belle..    | 2                           | Kingston.....      | Private.                                  |
| McDonald, H. S..     | 5                           | Kingston.....      | Kingston C. I.                            |
| McDonald, James.     | 4                           | Glen Donald....    | Williamstown H. S.                        |
| McDonnell, G. F..    | 3                           | Toronto.....       | Upper Canada Coll.                        |
| McDonald, K. J..     | 2                           | Big Harb'r, N.S.   | Sydney Academy.                           |
| McDonald, Nerva.     | 4                           | Kingston.....      | Kingston Model School.                    |
| McDougall, C. A..    | 1                           | St. Thomas.....    | St Thomas C. I.                           |
| McEwen, John S..     | 1                           | Ashton.....        | Carleton Place H. S.                      |
| McInnes, Chas. R.    | 1                           | Vankleek Hill...   | Vankleek Hill H. S.                       |
| McInnes, John A.     | 1                           | Vankleek Hill...   | Vankleek Hill H. S.                       |
| McIntosh, Alex...    | 1                           | Alexandria.....    | Alexandria H. S.                          |
| McIntosh, Jas. W.    | 3                           | Martintown....     | Williamstown H. S.                        |
| McIntosh, Wm. D.     | 4                           | Toronto.....       | Almonte H. S.                             |
| McJanet, John....    | 3                           | Ottawa.....        | Ottawa C. I.                              |
| McKelvey, R. J...    | 5                           | Kingston.....      | Kingston C. I.                            |
| McKenzie, Alex...    | 1                           | Armon.....         | Kincardine H. S.                          |
| McKinnon, Alex..     | 2                           | Lake Ainslie, C.B. | Pictou Academy.                           |
| McKinnon, John..     | 2                           | Strathlorne, C.B.  | Pictou Academy.                           |
| Maclean, James R.    | 2                           | Arnprior.....      | Arnprior H. S.                            |
| Maclean, James W.    | 3                           | Tarbert, Scot...   | Rainings, Scot.                           |
| Maclean, L. H....    | 2                           | Strathlorne, C.B.  | Pictou Academy.                           |

| Name.               | Year of<br>Atten-<br>dance. | Summer Residence. | Where Educated.        |
|---------------------|-----------------------------|-------------------|------------------------|
| McLennan, John..    | 3                           | Port Hope.....    | Lindsay C. I.          |
| McLeod, Charles..   | 3                           | Eldon, P.E.I....  | Prince of Wales Coll.  |
| McManus, Emily..    | 3                           | Bath .....        | Kingston C. I.         |
| McMullen, A. J...   | 3                           | Cowal .....       | St. Thomas and Dutton. |
| McNab, Robert C.    | 3                           | Douglas .....     | Renfrew H. S.          |
| McNeill, Alex. J..  | 1                           | Orangedale, C.B.  | Sydney Academy.        |
| McRae, F. A ....    | 4                           | Gamebridge.....   | Orillia H.S.           |
| McRae, Philip K..   | 4                           | North River, C.B. | Pictou Academy.        |
| McRae, Wm. W...     | 1                           | Toronto .....     | Collingwood C. I.      |
| MacVicar, John...   | 1                           | Harrietsville.... | Aylmer (West).         |
| Neilson, Bertha...  | 2                           | Wilton.....       | Napanee H. S.          |
| Nickle, William F.  | 5                           | Kingston.....     | Kingston C. I.         |
| Nicol, Jennie.....  | 4                           | Cataraqui.....    | Kingston C. I.         |
| Nisbet, David A..   | 4                           | Carleton Place..  | Private.               |
| Norris, Isaac T.... | 2                           | Staffa .....      | Mitchell H. S.         |
| Norris, James.....  | 4                           | Staffa .....      | Mitchell H. S.         |
| O'Dell, Nettie....  | 2                           | Belmont.....      | Aylmer C. I.           |
| Parker, Mabel....   | 1                           | Stirling .....    | Stirling H. S.         |
| Peacock, E. R....   | 2                           | Almonte.....      | Almonte H. S.          |
| Peck, Wallace W..   | 3                           | Toronto .....     | Sydenham H. S.         |
| Pergau, Paul.....   | 4                           | Brockville.....   | Brockville H. S.       |
| Pilkey, Peter J...  | 1                           | Kingston.....     | Hamilton C. I.         |
| Pitts, Frank E....  | 1                           | Woodlands.....    | Albert College.        |
| Pope, Egerton L..   | 1                           | Belleville.. .... | Belleville H. S.       |
| Porteous, D. C....  | 4                           | Kingston.....     | Kingston C. I.         |
| Porter, Sydney E..  | 1                           | Janetville.....   | Lindsay C. I.          |
| Raney, Wesley H..   | 2                           | Aultsville.....   | St. Catharines C. I.   |
| Rannie, Alex.....   | 3                           | Menie.....        | Campbellford H. S.     |
| Rayside, Edith....  | 2                           | South Lancaster.  | Williamstown H. S.     |
| Rayside, J. Stuart. | 2                           | South Lancaster.  | Williamstown H. S.     |
| Redmond, R. C...    | 2                           | Landsdowne....    | Brockville H. S.       |
| Reid, Etta Anna..   | 4                           | Williamsville...  | Kingston C. I.         |
| Richardson, W. W.   | 5                           | Seeley's Bay....  | Sydenham H. S.         |
| Rogers, James C..   | 2                           | Picton.....       | Collingwood C. I.      |
| Rollins, James....  | 5                           | Couper.....       | Campbellford H. S.     |
| Rose, George W...   | 2                           | Warsaw.....       | Norwood H. S.          |
| Ross, Arthur E...   | 4                           | Cobden.....       | Renfrew H. S.          |
| Row, Robert K...    | 3                           | Kingston.....     | St. Catharines C. I.   |
| Rowland, John S..   | 3                           | Kingston.....     | Kingston C. I.         |
| Russel, Jean McG.   | 2                           | Arnprior.....     | Arnprior H. S.         |
| Ryerson, S. E....   | 3                           | Orillia.....      | Orillia H. S.          |
| Scott, Marcus.....  | 4                           | Campbellford...   | Duns. Scotland.        |
| Scott, Thomas S..   | 2                           | Glenmorris .....  | Galt C. I.             |
| Seaton, Edward T.   | 2                           | Port Dover.....   | Private.               |

| Name.                | Year of<br>Atten-<br>dance. | Summer Residence.  | Where Educated.       |
|----------------------|-----------------------------|--------------------|-----------------------|
| Sharman, George..    | 3                           | Athens.....        | Private.              |
| Sharp, John.....     | 6                           | Wilberforce.....   | Private.              |
| Shortt, James S...   | 2                           | Calgary.....       | Kingston C. I.        |
| Sills, William R...  | 1                           | Napanee.....       | Napanee and Hamilton. |
| Simpson, W. H. S.    | 2                           | Brockville.....    | Brockville H. S.      |
| Smith, James H...    | 4                           | Ridgetown.....     | Private.              |
| Smith, John E....    | 3                           | Arnott.....        | Owen Sound C. I.      |
| Smith, Thomas G..    | 4                           | Chatham, Ont...    | Collingwood C. I.     |
| Snyder, Helena A.    | 1                           | Port Elmsley....   | Perth C. I.           |
| Spencer, Hugh J..    | 2                           | Kingston.....      | Kingston C. I.        |
| Squire, George H.    | 3                           | Kingston .....     | Kingston C. I.        |
| Staples, Louis E..   | 2                           | Kingston.....      | Athens H. S.          |
| Stewart, James...    | 3                           | Douglas.. .....    | Renfrew H. S.         |
| Stewart, James A.    | 4                           | Renfrew.. .....    | Renfrew H. S.         |
| Taggart, Robert..    | 2                           | Carleton Place...  | Carleton Place H. S.  |
| Tandy, Wm. R...      | 2                           | Kingston.....      | Kingston C. I.        |
| Thompson, D. A...    | 4                           | Hastings.....      | Dundas, Scotland.     |
| Thompson, M. J..     | 3                           | Almonte.....       | Almonte H. S.         |
| Thompson, T. J..     | 5                           | Kingston.. .....   | Jordan Academy N. Y.  |
| Tudhope, M. B...     | 2                           | Orillia.....       | Orillia H. S.         |
| Watson, Edward C.    | 1                           | Kingston.....      | Kingston C. I.        |
| Watson, James S..    | 1                           | Wellman's Corners. | Campbellford H. S.    |
| Webster, Ben. E..    | 4                           | Kingston.....      | Kingston C. I.        |
| White, Lizzie R...   | 4                           | Toronto .....      | Kingston C. I.        |
| Williamson, A. R. B. | 1                           | Kingston.....      | Kingston C. I.        |
| Wilson, Edna M...    | 1                           | Kingston.....      | Whitby College.       |
| Wilson, M. H.....    | 2                           | Renfrew.....       | Renfrew H. S.         |
| Wilson, W. L. A...   | 1                           | Newburgh .....     | Peterboro.            |
| Windel, Henry C..    | 2                           | Pontypool.....     | Lindsay H. S.         |
| Witheril, Eben. R.   | 3                           | Westport.....      | Athens H. S.          |
| Wright, Josephine.   | 4                           | North Bay.....     | Kingston C. I.        |
| Young, Alexander.    | 1                           | Hazledean.....     | Almonte H. S.         |
| Young, Colin G...    | 3                           | Carlow.....        | Goderich H. S.        |
| Young, Ward.....     | 1                           | Kingston.....      | Kingston C. I.        |

**GENERAL STUDENTS.**

| Name.                | Year. | Summer Address.      | Where Educated.         |
|----------------------|-------|----------------------|-------------------------|
| Back, William G..    | 1     | Ottawa.. . . . .     | Ottawa C. I.            |
| Cameron, Lillie T..  | 1     | Kingston.. . . . .   | Girls Pub. Day Sch. Eng |
| Cameron, N.S.E.L.    | 1     | Kingston.. . . . .   | Girls Pub. Day Sch. Eng |
| Carmichael, H. ....  | 1     | Spencerville . . . . | Kemptville H. S.        |
| Carson, Joseph T..   | 1     | Simcoe.. . . . .     | Pub. and Model School.  |
| English, John W..    | 1     | Dixon's Corners.     | Iroquois H. S.          |
| Grange, Thos. A..    | 1     | Newburgh... . .      | Newburgh H. S.          |
| Griffith, Edna. .... | 1     | Sydenham.. . . . .   | Sydenham H. S.          |
| Gunn, Norman....     | 1     | Kingston.. . . . .   | Private.                |
| Kean, Isabel H....   | 1     | Orillia.. . . . .    | Orillia H. S.           |
| McDougall, A. J....  | 1     | Newburgh, N.Y.       |                         |
| McArthur, D. O....   | 1     | Maitland.. . . . .   | Whitby C. I.            |
| McCammon, W.T..      | 1     | Kingston.. . . . .   | Kingston C. I.          |
| McIntyre, A. D....   | 1     | Newington.. . . .    | Cornwall H. S.          |
| McLean, M. J. ....   | 1     | Belleville.. . . . . | Belleville H. S.        |
| McPherson, Etta..    | 1     | Kingston.. . . . .   | Private.                |
| Ross, Minnie H....   | 1     | Kingston.. . . . .   | Kingston C. I.          |
| Sears, Annie M....   | 1     | Kingston.. . . . .   | Private.                |
| Squire, Hattie....   | 1     | Kingston.. . . . .   | Kingston C. I.          |

**POST-GRADUATE STUDENTS****IN ARTS.**

| Name.                         | Residence.              |
|-------------------------------|-------------------------|
| Ami, Henry M., M.A. ....      | Ottawa.                 |
| Brown, J. G. W., B.A. ....    | Charlottetown, P. E. I. |
| Carmichael, N. R., M.A. ....  | Strange.                |
| Cochrane, James B., B.A. .... | Kingston.               |
| Elliot, James, B.A. ....      | Billing's Bridge.       |
| Ellis, John D., B.A. ....     | Westmeath.              |
| England, L. M., B.A. ....     | Kingston.               |
| Hunter, James M., M.A. ....   | Barrie.                 |
| Lang, Geore R., B.A. ....     | Wolfe Island.           |
| Marshall, John, M.A. ....     | Kingston.               |
| Millar, John, M.A. ....       | Kincardine.             |
| O'Shea, James, B.A. ....      | Kingston.               |
| Ross, Alex. H. D., M.A. ....  | Kingston.               |
| Shorey, Edmund C., M.A. ....  | Kohala, Hawaii.         |
| Sinclair, John A., M.A. ....  | Carleton Place.         |
| Snyder, Thomas, M.A. ....     | Preston.                |
| Wilson, Harry L., M.A. ....   | Newburgh.               |
| Young, Robert, B.A. ....      | Athens.                 |

**STUDENTS IN LAW.**

|                                 |           |
|---------------------------------|-----------|
| Chisholm, James, B.A. ....      | Hamilton. |
| Logie, William A., M.A. ....    | Hamilton. |
| O'Connor, Michael J., B.A. .... | Toronto.  |

## IN THEOLOGY.

| Name.                           | Year of<br>Atten-<br>dance. | Residence.           |
|---------------------------------|-----------------------------|----------------------|
| Binnie, James, M.A.....         | 3                           | Durham.              |
| Black, John A., B.A.....        | 2                           | Warkworth.           |
| Black, William, B.A.....        | 2                           |                      |
| Boyd, John D., B.A.....         | 3                           | Alexandria.          |
| — Burns, Samuel S.....          | 2                           | Navan.               |
| — *Cameron, Donald.....         | 1                           | Glen William, P.E.I. |
| Cattanach, James, B.A.....      | 3                           | Williamstown.        |
| Claxton, John A., B.A... ..     | 1                           | Morrison.            |
| Connery, David G. S., B.A.....  | 2                           | Winnipeg.            |
| Daly, Charles H., B.A.....      | 2                           | Peterboro.           |
| Drummond, Daniel R., M.A.....   | 3                           | Almonte.             |
| England, Luther M., B.A.....    | 2                           | Williamsville.       |
| Fraser, John.....               | 3                           | Big Bras D'Or.       |
| — Fitzpatrick, Alfred, B.A..... | 3                           | Pictou, N. S.        |
| — Graham, Archibald.....        | 3                           | Menie.               |
| Hodges, James, B.A.....         | 2                           | Forrester's Falls.   |
| Hutcheon, Robert J., M.A.....   | 1                           | Burnbrae.            |
| — Kellock, John McC., M.A.....  | 1                           | Spencerville.        |
| Madill, James. ....             | 2                           | Kingston.            |
| — Millar, John, M.A.....        | 1                           | Millarton.           |
| Muirhead, John W., B.A.....     | 2                           | Brockville.          |
| McArthur, D. D.....             | 1                           | Maitland.            |
| McDonald, Donald D.....         | 3                           | Williamstown.        |
| Macfarland, John F., B.A.....   | 3                           | Birmingham.          |
| McLennan, Alex. K., B.A.....    | 3                           | Middle River. C. B.  |
| McPhail, Donald G., B.A.....    | 3                           | McPhail.             |
| McPherson, Neil, M.A.....       | 2                           | Bowmanville.         |
| Phalen, Ronald M., B.A.....     | 3                           | Cape Breton.         |
| Rattee, Edward J., B.A.....     | 2                           | Owen Sound.          |
| — Rollins, James.....           | 1                           | Cooper.              |
| Scott, Thomas R., B.A.....      | 3                           | Aurora.              |
| — Sharp, John, M.A.....         | 3                           | Wilberforce.         |
| Sinclair, John A., M.A.....     | 3                           | Carleton Place.      |
| Strachan, Daniel, B.A.....      | 3                           | Rockwood.            |
| Thompson, Archibald, B.A.....   | 3                           | Cobourg.             |
| — Thompson, Thomas J.....       | 2                           | Kingston.            |

\*Deceased.

# IN MEDICINE.

## STUDENTS OF THE ROYAL COLLEGE OF PHYSICIANS AND SURGEONS.

| Name.                       | Year of<br>Atten-<br>dance. | Residence.         |
|-----------------------------|-----------------------------|--------------------|
| Abbott, G. A.....           | 1                           | Kingston.          |
| Adams, G. T. C.....         | 1                           | Kingston.          |
| Adams, Joseph.....          | 7                           | Kingston.          |
| Adamson, Herbert A.....     | 4                           | Ottawa.            |
| Agnew, R. W.....            | 1                           | Kingston.          |
| Allen, James R.....         | 2                           | Bath.              |
| Ames, J. A.....             | 1                           | Codrington.        |
| Anderson, W. J.....         | 2                           | Glen Stewart.      |
| Austin, G. H.....           | 3                           | Warburton.         |
| Balfe, T. H.....            | 4                           | Smith's Falls.     |
| Barber, A. E.....           | 4                           | Farmersville.      |
| Barker, Alexander M.....    | 3                           | Scotland.          |
| Bermingham, Frank H.....    | 4                           | Kingston.          |
| Berry, G. H.....            | 1                           | Seeley's Bay.      |
| Bissonette, J. D., B.A..... | 3                           | Burnbrae.          |
| Black, Benjamin F.....      | 3                           | Kingston.          |
| Black, William, B.A.....    | 1                           |                    |
| Boucher, Joseph A.....      | 2                           | Charlo, N. B.      |
| Bourns, T. C.....           | 4                           | Addison.           |
| Bourns, W. H.....           | 4                           | Addison.           |
| Boyd, Malcolm D.....        | 2                           | Alexandria.        |
| Brophy, J. J.....           | 1                           | Kingston.          |
| Brown, Jonathan.....        | 3                           | Forrester's Falls. |
| Buro, A. J.....             | 1                           | Kingston.          |
| Butler, Tobias J.....       | 2                           | Deseronto.         |
| Connell, W. T.....          | 2                           | Spencerville.      |
| Cook, Wesley A.....         | 5                           | Archer.            |
| Cormack, John H.....        | 3                           | Kingston.          |
| Corrigan, Michael.....      | 2                           | Kingston.          |
| Countryman, John E.....     | 3                           | Tweed.             |
| Craft, Robert A.....        | 3                           | Chisholm.          |
| Cranston, J. G.....         | 1                           | Arnprior.          |
| Davis, John J.....          | 2                           | Kingston.          |
| Denant, Henry J.....        | 4                           | Napanee.           |
| Douglass, Harry E.....      | 4                           | Tweed.             |
| Dupuis, D. A.....           | 1                           | Brighton.          |
| Easterbrook, J. W.....      | 4                           | Tweed.             |
| Farley, F. J.....           | 2                           | Brighton.          |
| Finley, A. E.....           | 2                           | Stella.            |
| Fitzgerald, Gerald D.....   | 2                           | Peterboro.         |



| Name.                           | Year of<br>Atten-<br>dance. | Residence.     |
|---------------------------------|-----------------------------|----------------|
| Fitzpatrick, Alfred, B.A.....   | 3                           | Pictou, N. S.  |
| Fleming, Hugh.....              | 1                           |                |
| Gibson, James C.....            | 4                           | Atwood.        |
| Gibson, James L.....            | 3                           | Cherry Valley. |
| Gibson, John J.....             | 3                           | Scotch Line.   |
| Giles, George C.....            | 3                           | Brockville.    |
| Gillen, Erastus.....            | 2                           | Kingston.      |
| Green, H. D.....                | 1                           |                |
| Hagar, F. C.....                | 1                           |                |
| Hare, William G.....            | 4                           | Iroquois.      |
| Hatfield, L. A.....             | 1                           |                |
| Henderson, N. R.....            | 1                           |                |
| Houston, R. C.....              | 1                           | Kingston.      |
| Jack, Hector M.....             | 4                           | Kingston.      |
| James, Herbert J.....           | 3                           | Clayton.       |
| Johnston, C. G.....             | 1                           | Oak Leaf.      |
| Joynor, N. P.....               | 3                           | Kingston.      |
| Jones, Alfred W.....            | 4                           | Kingston.      |
| Kayler, William B.....          | 3                           | Marven.        |
| Kelly, T. J.....                | 1                           | Peterboro.     |
| Kinsley, Patrick J.....         | 2                           | Wolfe Island.  |
| Kirk, Frederick James. B.A..... | 4                           | Kingston.      |
| Kemp, John W.....               | 4                           | Hazledean.     |
| Kyle, W. D.....                 | 1                           | Morewood.      |
| Lake, H. W.....                 | 1                           | Ridgetown.     |
| Leahy, B. J.....                | 3                           | Kingston.      |
| Lent, Edwin J.....              | 4                           | Pictou.        |
| Lock, John Alexander.....       | 3                           | Iroquois.      |
| Lockhart, Alfred.....           | 5                           | Kingston.      |
| Lofthouse, W. O. R.....         | 1                           | Kingston.      |
| Lyle, W. D.....                 | 1                           | Morrisburg.    |
| Malcolm, W. G.....              | 3                           | Chesley.       |
| Marselis, E. H.....             | 1                           | Boucks' Hill.  |
| Melville, Edmond J.....         | 5                           | Howe Island.   |
| Merriman, W.....                | 1                           | Latimer.       |
| Minnes, Robert S., B.A.....     | 4                           | Kingston.      |
| Morden, F. W.....               | 2                           | Pictou.        |
| Menshall, E. W.....             |                             |                |
| Murphy, Joseph E.....           | 3                           | Newboro.       |
| Myers, Ambrose R.....           | 2                           | Forfar.        |
| McBroom, J. A.....              | 1                           | Washburn.      |
| McCammon, Frederick J.....      | 4                           | Kingston.      |
| McCutcheon, William C.....      | 2                           | Seeley's Bay.  |
| McDonald, Hugh S.....           | 1                           | Kingston.      |



| Name.                      | Year of<br>Atten-<br>dance. | Residence.          |
|----------------------------|-----------------------------|---------------------|
| McDermott, E. F.....       | 1                           | Kingston.           |
| McDermott, M. F.....       | 1                           | Kingston.           |
| McDonnell, Hector.....     | 3                           | Kingston.           |
| McEwen, Alexander.....     | 1                           | Hulbert,            |
| McGregor, James G.....     | 2                           | Martintown.         |
| McGrath, George.....       | 3                           | Campbellford.       |
| McKeown, H. A.....         | 1                           | Belleville.         |
| McRae, Allan.....          | 1                           | Kingston.           |
| Neville, M. J.....         | 2                           | Kingston.           |
| Parlow, Allan B.....       | 2                           | Iroquois.           |
| Porteous, D. C.....        | 1                           | Kingston.           |
| Richardson, J.....         | 1                           | Brockville.         |
| Robertson, A. C.....       | 4                           | Madoc.              |
| Robinson, A.....           | 1                           | Kingston.           |
| Robinson, Robert R.....    | 5                           | Consecon.           |
| Russel, W. N.....          | 1                           | Watertown, N.Y      |
| Ruttan, Franklin S.....    | 3                           | Sydenham.           |
| Sands, William W.....      | 2                           | Sunbury.            |
| Scott, Thomas B., B.A..... | 4                           | Belleville.         |
| Seager, James.....         | 2                           | Ottawa.             |
| Smith, G. H. W.....        | 1                           | Kingston.           |
| Smith, Ralph G.....        | 3                           | Perth.              |
| Spotswood, A. J.....       | 1                           | Riceville.          |
| Stackhouse, Alexander..... | 5                           | Kingston.           |
| Stevens, N. T.....         | 4                           | Athens.             |
| Stevenson, John A.....     | 2                           | Stella.             |
| Stewart, G.....            | 1                           | Elmside.            |
| Sullivan, D. V.....        | 4                           | Kingston.           |
| Tillman, H. A.....         | 1                           | Kingston.           |
| Thompson, Wm. B.....       | 5                           | Kingston.           |
| Walkinshaw, Wm., B.A.....  | 3                           | Campbellford.       |
| Walsh, F.....              | 1                           | Wolfe Island.       |
| Whitaker, W. C.....        | 1                           | North Williamsburgh |
| Wheeler, James W.....      | 4                           | Wolfe Island.       |
| Wood, Isaac, M.A.....      | 4                           | Kingston.           |
| Woodruff, George A.....    | 2                           | Sydenham.           |
| Young, Wm. A.....          | 2                           | Kingston.           |

## STUDENTS OF THE WOMEN'S MEDICAL COLLEGE.

---

| Name.                      | Year of<br>Atten-<br>dance. | Residence.       |
|----------------------------|-----------------------------|------------------|
| Bermingham, Mary E.....    | 5                           | Kingston.        |
| Burt, Ellen A. A.....      | 2                           | Cardwell.        |
| Clendinning, Edythe H..... | 1                           | Montreal.        |
| Drennan, Jennie D.....     | 2                           | Kingston.        |
| Henderson, Eliz. M.....    | 4                           | Brockville.      |
| Hill, Annie G.....         | 2                           | Riviere du Loup. |
| Jamieson, Alison.....      | 4                           | Wicklow.         |
| McCallum, Annie.....       | 2                           | Gananoque.       |
| Ryan, Clara.....           | 3                           | Kingston.        |
| Skimin, Nellie St. G.....  | 4                           | Hamilton.        |
| Symington, Margaret P..... | 1                           | Brighton.        |
| Topliffe, Annie.....       | 1                           | Glenvale.        |
| Turnbull, Agnes M.....     | 4                           | Montreal.        |
| Turner, Adelaide.....      | 1                           | Gananoque.       |
| Wafer, Grace M.....        | 2                           | Kingston.        |
| Ward, Marjory.....         | 3                           | Renfrew.         |

# MEDALS, PRIZES, AND SCHOLARSHIPS

FOR 1891-92.

## UNIVERSITY MEDALS AND PRIZES.

|   |   |
|---|---|
| <i>Latin</i> .....  | Laird, R., Sunbury.                                       |
| <i>Greek</i> .....  | McDonald, J., M.A., Glen Donald                           |
| <i>English</i> ....                                       | Sharp, J., M.A., Wilberforce.                             |
| <i>Mathematics</i> .....                                  | Stewart, J. A., M.A., Renfrew.                            |
| <i>Political Science</i> .....                            | Peck, W. W., Toronto.                                     |
| <i>History</i> .....                                      | Pergau, P., Brockville.                                   |
| <i>Philosophy</i> .....                                   | Thompson, T. J., Kingston.                                |
| <i>Gold Medals in Medicine</i> .....                      | Balfe, T. H., Smith's Falls.<br>Wood, I., M.A., Kingston. |
| <i>Gowan Prize in Natural Science</i> .                   | Cowley, R. H., B.A., Ottawa.                              |
| <i>Rivers Willson Prize in Sanitary<br/>Science</i> ..... | Belton, W. J., Clayton.                                   |
| <i>Robson Roose Prize in Pathology</i> .                  | Scott, T. B., B.A., M.D., Belle-<br>ville.                |
| <i>Robson Roose Prize in Chemistry</i> .                  | Connell, W. T., Spencerville.                             |
| <i>Lewis Prize (Theology)</i> .....                       | Hutcheon, R. J., M.A., Burnbrae.                          |

## SCHOLARSHIPS IN ARTS.

### 1. MATRICULATION SCHOLARSHIPS.

|  |                                 |
|--|---------------------------------|
| <i>Gunn, General Proficiency</i> .....   | Goodfellow, J., Parham.         |
| <i>Watkins, General Proficiency,<br/>(limited to pupils of the King-<br/>ston C. I.)</i> ..... | Connolly, H. A., Cataraqui.     |
| <i>Prince of Wales, English, Latin,<br/>Greek, Mathematics</i> .....                           | King, W. W., Kingston.          |
| <i>Governor General, Mathematics</i> .   | Cummings, B. E., Anson.         |
| <i>Mackerras, Latin and Greek</i> ....   | Watson, E. C., Kingston.        |
| <i>Forbes McHardy, General Pro-<br/>ficiency</i> .....   | Harvey, K., Sydenham.           |
| <i>Leitch, No. 1, Eng. and Moderns</i> .   | Baker, W. C., Kingston.         |
| <i>The Mayor, General Proficiency</i> .  | Clark, W. C., Kingston.         |
| <i>Senate, No. 1, Gen. Proficiency</i> ..  | McDougall, C. A., St. Thomas.   |
| “ 2, “ “   | Williamson, A. R. B., Kingston. |
| “ 3, “ “   | Burton, S., Kingston.           |
| “ 4, “ “   | Gaylord, T. W., Deseronto.      |
| <i>Mowat, Arithmetic</i> .....   | McInnes, C. R., Vankleek Hill.  |

|  |  |
|--|--|
| <i>M. C. Cameron, Gaelic</i> .....                         | McDonald, K. J., Big Harbour,<br>N. S.                           |
| <i>R. R. McLennan, Glengary, No. 2</i>                     | McIntosh, A., Alexandria.  |
| <i>St. Andrew's, Renfrew</i> .....                         | Campbell, C. D., Dunvegan.                                       |
| <i>M. S. McDonald, (Students from }<br/>Glengary).....</i> | <i>McInnes, J. A., Vankleek Hill.<br/>McNab, R. C., Douglas.</i> |

## 2. SESSIONAL SCHOLARSHIPS.

|  |  |
|--|--|
| <i>Foundation Scholarship in Latin</i> | King, W. W., Kingston.                         |
| " "                                    | <i>Greek</i> . Windel, H. C., Pontypool.       |
| " "                                    | <i>English</i> . Raney, W. H., Aultsville.     |
| " "                                    | <i>Philosophy</i> . Shortt, J. S., Walkerton.  |
| " "                                    | <i>Physics</i> . Mitchell, J. W., Lansdowne.   |
| " "                                    | <i>Mathematics</i> . Menzies, R. D., Glen Tay. |
| <i>Cataraqui Chemistry</i> .....       | Guess, H. A., Kingston.                        |

## SCHOLARSHIPS IN THEOLOGY.

## 1. MATRICULATION SCHOLARSHIPS.

|  |                                  |
|--|----------------------------------|
| <i>Dow Scholarship</i> .....           | Hutcheon, R. J., M.A., Burnbrae. |
| <i>Buchan Scholarship, No. 1</i> ..... | Claxton, J. A., B.A., Orillia.   |
| <i>Dominion</i> .....                  | Millar, J. M., M.A., Kincardine. |

## 2. SESSIONAL SCHOLARSHIPS.

|   |   |
|---|---|
| <i>Sarah McC. Waddell, General</i>      |   |
| <i>Proficiency</i> .....                | Millar, J. M., M.A., Kincardine.              |
| <i>Spence, General Proficiency, 1st</i> |   |
| <i>year</i> .....                       | Claxton, J. A., B.A., Orillia.                |
| <i>Anderson, No. 1, 1st year Di-</i>    |   |
| <i>vinity</i> .....                     | Kellock, J. McC., Spencerville.               |
| <i>Rankine, Apologetics</i> .....       | McPherson, N., M.A., Bowman-<br>ville.        |
| <i>Anderson, No. 2, 2nd year Di-</i>    |   |
| <i>vinity</i> .....                     | Thompson, T. J., Kingston.                    |
| <i>Toronto, 2nd year Hebrew</i> .....   | Black, J. A., B.A., Menie.                    |
| <i>Glass Memorial, Church History</i>   | Black, W., B.A., Elora.                       |
| <i>St. Andrew's, Toronto, O. and</i>    |   |
| <i>N. T. Criticism</i> .....            | Rattee, E. J., B.A., Owen Sound.              |
| <i>Anderson, No. 3, 3rd year Di-</i>    |   |
| <i>vinity</i> .....                     | Sharp, J., M.A., Wilberforce.                 |
| <i>St. Paul's, Hamilton, 3rd Hebrew</i> |   |
| <i>and Chaldee</i> .....                | Thompson, A., B.A., Cobourg.                  |
| <i>Leitch Memorial, No. 2</i> .....     | Drummond, D. R., M.A., Al-<br>monte.          |
| <i>Jas. Anderson, Bursary (Gaelic)</i>  | McLennan, A. K., B.A., Middle<br>River, C. B. |

**PRIZES IN MEDICINE.****ROYAL MEDICAL COLLEGE.**

|                                    |   |
|------------------------------------|---|
| <i>Hospital appointments</i> ..... | { Minnes, R. S., Kingston.<br>Murphy, J. E., Newboro.<br>Smith, R. G., Perth. |
|------------------------------------|---|

**WOMEN'S MEDICAL COLLEGE.**

|                                |                             |
|--------------------------------|-----------------------------|
| <i>Trout Scholarship</i> ..... | Symington, M. P., Brighton. |
| <i>Jubilee</i> " .....         | Drennan, J. G., Kingston.   |

**LIST OF GRADUATES FOR 1891-92.****MASTERS OF ARTS (M.A.)**

|                            |                |
|----------------------------|----------------|
| Baker, Hattie M.....       | Kingston.      |
| Beall, Arthur W., B.A..... | Kyoto, Japan.  |
| x Bowerman, John T.....    | Ottawa.        |
| Gibson, James C.....       | Kingston.      |
| Hutcheon, Robert J.....    | Burnbrae.      |
| Kellock, John McC.....     | Spencerville.  |
| x Lees, Richard.....       | Brampton.      |
| Lockhart, Thomas J.....    | Kingston.      |
| McDonald, James.....       | Glen Donald.   |
| Reid, Etta A.....          | Williamsville. |
| Sharp, John.....           | Wilberforce.   |
| Stewart, James A.....      | Renfrew.       |

**BACHELORS OF ARTS (B.A.)**

|                          |                   |
|--------------------------|-------------------|
| Anglin, Sara E.....      | Kingston.         |
| Asselstine, David P..... | Kingston.         |
| Beveridge, Alice B.....  | Kingston.         |
| + Black, John A.....     | Warkworth.        |
| Campbell, Peter McG..... | Admaston.         |
| Connell, Jessie C.....   | Dundas.           |
| Donovan, Mary.....       | Elginburgh.       |
| Downing, Joseph J.....   | Kingston.         |
| Graham, Archibald.....   | Menie.            |
| Hodges, James.....       | Forester's Falls. |
| Hugo, Frank M.....       | Kingston.         |
| Hunter, Hugh A.....      | Smith's Falls.    |
| Hunter, Robert F.....    | Smith's Falls.    |
| Knowles, Robert E.....   | Ottawa.           |
| Lavell, Alfred E.....    | Portsmouth.       |
| Leitch, James A.....     | Renfrew.          |

|                             |               |
|-----------------------------|---------------|
| Macaulay, William B. T..... | Montreal.     |
| McIntosh, William D.....    | Toronto.      |
| Nickle, W. F.....           | Kingston.     |
| Potter, James G.....        | Merrickville. |
| Ross, Arthur E.....         | Cobden.       |
| Taylor, John A.....         | Blyth.        |
| Wright, Josephine.....      | North Bay.    |

## DOCTORS OF MEDICINE (M.D.) AND MASTERS OF SURGERY (C.M.)

|                                  |                    |
|----------------------------------|--------------------|
| Adams, George T. C.....          | Sydney, Australia. |
| Adams, Joseph.....               | Kingston.          |
| Adamson, Herbert A.....          | Ottawa.            |
| Balfe, Thomas H.....             | Smith's Falls.     |
| Barber, Albert E.....            | Athens.            |
| Belton, William J.....           | Clayton.           |
| Birmingham, Francis H.....       | Kingston.          |
| Birmingham, Mary E.....          | Kingston.          |
| Bissonnette, Julien D., B.A..... | Burnbrae.          |
| Bourns, Thomas C. ....           | Addison.           |
| Bourns, William H.....           | Addison.           |
| Denaut, Henry D.....             | Delta.             |
| Douglass, Henry E.....           | Napanee.           |
| Gibson, James C.....             | Atwood.            |
| Hare, George W.....              | Iroquois.          |
| Henderson, Elizabeth M.....      | Brockville.        |
| Jamieson, Alison.....            | Wicklow.           |
| Kelly, John J., B.A.....         | Bell's Corners.    |
| Kirk, Frederick J., B.A.....     | Kingston.          |
| Lent, Edwin J.....               | Picton.            |
| Lockhart, Alfred J.....          | Kingston.          |
| Melville, Edmond J.....          | Howe Island.       |
| McCammon, Fred. J., B.A.....     | Kingston.          |
| Robinson, Robert R.....          | Consecon.          |
| Scott, Thomas B., B.A.....       | Belleville.        |
| Skimmin, Nellie St.G.....        | Hamilton.          |
| Smith, George H. W.....          | Sydney Australia.  |
| Stevens, Nathaniel T.....        | Athens.            |
| Sullivan, Daniel V., B.A.....    | Kingston.          |
| Thompson, William B.....         | Kingston.          |
| Tuttle, Henry E.....             | Iroquois.          |
| Turnbull, Agnes M.....           | Montreal.          |
| Wheeler, James W.....            | Wolfe Island.      |
| Wood, I., M.A.....               | Kingston.          |

## BACHELORS OF LAWS (LL.B.)

|                             |           |
|-----------------------------|-----------|
| Chisholm, James, B. A.....  | Hamilton. |
| Logie, William A., M.A..... | Hamilton. |

## DOCTOR OF SCIENCE (D.SC.)

Ami, Henry M., M.A. .... Ottawa.

## DOCTOR OF DIVINITY (D.D.)

Carmichael, Rev. James. .... Strange.

## DOCTOR OF LAWS (LL.D.)

Brymner, Douglas. .... Ottawa.

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**PASS LISTS.****Arts.**I. SUPPLEMENTARY EXAMINATIONS, SEPTEMBER, 1891.

---

*Junior Latin.*Feir, H.  
Donovan, M.

Nesbit, D. A.

*Senior Latin.*

Herbison, R.

Young, A.

*Junior Greek.*Feir, H.  
Morton, T. P.  
Bowerman, T. J.Hunter, H. A.  
Lees, R.*Junior German.*

Redmond, R. C.

*Junior English.*

Horsey, H. H.

Keith, A.

*Senior English.*

Richardson, W.

*Junior History.*Anglin, S. E.  
Beveridge, A. B.  
Richardson, W.Byers, R. P.  
Malone, H. V.*Senior History.*

Wright, J.

Black, J. A.



*Junior Philosophy.*

Hunter, R. F.  
Hutcheon, R. J.  
Marty, A. E.

Marty, S. E.  
Richardson, W. W.  
Thompson, M. J.

*Senior Philosophy.*

Hutcheon, R. J.

Nesbit, D. A.

*Junior Political Science.*

Gillies, J. S.  
Irving, W. G.

Lavell, C. F.  
Nickle, W.

*Junior Mathematics.*

Bennett, C. V.  
Gordon, A. E.

Shortt, J. S.  
Ford, A. B.

*Senior Mathematics.*

Guess, G. A.  
Kirkconnell, T. A.  
Mitchell, J. W.

Young, A.  
Allen, M. D.

*First Honour Physics.*

Byers, R. P.

Campbell, P. M.

*Senior Physics.*

Kirkpatrick, C. S.

Potter, J. G.

*Junior Physics.*

Allen, M. D.  
Norris, J. T.

Potter, J. G.

*Junior Chemistry.*

Allen, M. D.  
Cameron, C. K. O.

Richardson, W. W.  
Ruttan, F. S.

*Junior Natural Science.**(Botany).*

Staples, L. E.  
Donovan, M.  
Row, R. K.

Ross, A. H. D.  
Markle, J. H.  
McDonald, N.

*(Zoology).*

Staples, L. E.  
Ross, A. H. D.  
Donovan, M.

Row, R. K.  
McDonald, N.  
Markle, J. H.

*Senior Natural Science.**(Geology).*

Guess, G. A.  
Allen, M. D.

Beveridge, A. B.

## II. SESSIONAL EXAMINATIONS, APRIL, 1892.

*Junior Latin.*

## DIV. I.

Alcombrack, R. W.  
Baker, H. M.  
Begg, C. L.  
Clark, W. T.

Claxton, E. H.  
Day, A. E.  
Millar, W.

## DIV. II.

Baker, W. C.  
Burton, S.  
Conn, J. R.  
Cummings, B. E.  
Detlor, W. T.  
Glover, T. J.  
Hamilton, D. J.

Harvey, K.  
Instant, R. A.  
McCreary,  
Parker, M.  
Pope, E. L.  
Williamson, A. R. B.

## DIV. III.

Anglin, S. E.  
Gaylord, T. W.  
Goodfellow, J.  
Griffith, A.  
Herbison, W. J.  
Kirkpatrick, H. R.  
McLean, J. W.  
McNeil, A. J.

McRae, P. K.  
Odell, N.  
Pitts, F. E.  
Rayside, E.  
Sharman, G.  
Watson, J. S.  
White, L. R.

*Senior Latin.*

## DIV. I.

Asselstine, R. W.  
Bennett, C. V.  
Bennett, W. C.  
Campbell, G. D.  
Connolly, H. A.  
Croskery, R. A.  
Donovan, M.  
Feir, H.  
Ferguson, G. A.

King, W. W.  
Macdougall, C. A.  
Murray, M.  
Raney, W. H.  
Russell, J.  
Stewart, J.  
Tudhope, M. B.  
Watson, E. C.  
Windel, H. C.

## DIV. II.

|                  |                 |
|------------------|-----------------|
| Beaton, A. H.    | Morton, T. P.   |
| Kellock, W. M.   | Wilson, M. H.   |
| Macdonald, K. J. | Witheril, E. R. |
| Moore, J. R.     | Young, C. G.    |

## DIV. III.

|               |               |
|---------------|---------------|
| Hodges, J.    | Knapp, A. E.  |
| Horsey, H. H. | McLean, J. R. |
| Ilett, A. E.  | McKenzie,     |
| Irving, W. G. | Rose, G. W.   |
| Johnston, J.  |               |

*Junior Greek.*

## DIV. I.

|                   |               |
|-------------------|---------------|
| Alcombrack, B. W. | Detlor, W. T. |
| Clark, W. T.      | Millar, W.    |

## DIV. II.

|                 |                      |
|-----------------|----------------------|
| Cummings, R. E. | Parker, M.           |
| Instant, R. A.  | Williamson, A. R. B. |

## DIV. III.

|                 |                  |
|-----------------|------------------|
| Burns, S. S.    | McNeil, A. J.    |
| Currie, E. C.   | Pitts, F. E.     |
| Gaylord, T. W.  | Pope, E. L.      |
| Goodfellow, J.  | Porter, S. E.    |
| Lockhart,       | Taggart, R.      |
| McCreary, R. N. | Watson, J. S.    |
| McKinnon, A. D. | Wilson, W. L. A. |
| McLean, J. W.   | Young, A.        |

*Senior Greek.*

## DIV. I.

|                |               |
|----------------|---------------|
| Bennett, C. V. | Watson, E. C. |
| Herbison, R.   | Windel, H. C. |
| King, W. W.    |               |

## DIV. II.

|                  |                   |
|------------------|-------------------|
| Bennett, W. C.   | Macdougall, C. A. |
| Campbell, G. D.  | Russel, J.        |
| Macdonald, K. G. | Smith, J. E.      |

## DIV. III.

Croskery, R. A.  
Eerguson, G. A.  
Horsey, H. H.  
Hunter, H. A.  
Ilett, A. E.

McLean, J. R.  
McLeod, C.  
McRae, F. A.  
Moore, J. R.  
Rose, G. W.

*Junior French.*

## DIV. I.

Conn, J. R.

Griffith, A.

## DIV. II.

Begg, C. L.  
Burton, S.  
Claxton, E. H.

McInnes, C. R.  
Odell, N.

## DIV. III.

Hamilton, D. J.  
Kirkpatrick, H. R.  
McJanet, J.

Neilson, B.  
Rayside, E.

*Senior French.*

## DIV. I.

Connolly, H. A.

## DIV. II.

Barr, J.  
Macarthur, B.

Mooers, H. F.

## DIV. III.

Asselstine, R. W.  
Barr, J.  
Boddy, M.  
Clothier, J. O.  
Harvey, K.

Massie, A.  
McInnes, J. A.  
Pilkey, P. J.  
Raney, W. H.  
Redmond, R. C.

*Junior German.*

## DIV. I.

Claxton, E. J.

Griffith, A.

## DIV. II.

Begg, C. L.  
Burton, S.  
Kirkpatrick, H. R.

McArthur, B.  
Odell, N.

## DIV. III.

Hamilton, D. J.  
McInnes, C. R.

McInnes, J. A.  
Neilson, B.

*Senior German.*

## DIV. I.

Connolly, H. A.

Fraser, A. E.

## DIV. II.

Asselstine, R. W.  
Barr, J.  
Massie, A.

Mooers, H. F.  
White, L. R.

## DIV. III.

Barr, J.  
Harvey, K.

Raney, W. H.

*Junior English.*

## DIV. I.

Day, A. E.  
Menzies, R. D.

Snyder, A.

## DIV. II.

Clark, W. T.  
Conn, J. R.  
Feir, H.  
Griffith, A.

Instant, R. A.  
King, W. W.  
McEwen, J. S.  
Rowlands, J. S.

## DIV. III.

Alcombrack, R. W.  
Begg, C. L.  
Burton, S.  
Campbell, G. D.  
Carson, J. T.  
Detlor, W. T.  
Fraser, A. E.  
Gaylord, T. H.  
Grant, A. F.  
Kirkpatrick, H. R.  
Miller, W.

Morton, T. P.  
McCreary, R. N.  
McDougall, C. A.  
McInnes, C. R.  
McNeil, A. J.  
Parker, M.  
Pope, E. L.  
Watson, J. S.  
Watson, E. C.  
Willlamson, A. R.  
Wilson, W. A.

*Senior English.*

## DIV. I.

McManus, E.  
Peacock, E.

Raney, W. H.

## Div. II.

|                 |                  |
|-----------------|------------------|
| Bennett, C. V.  | Johnston, J.     |
| Beveridge, A.   | Kellock, W. McK. |
| Brown, J. C.    | Lavell, C. F.    |
| Connolly, H. A. | Scott, T. S.     |
| Dyde, C. B.     | Windel, H. C.    |
| Herbison, R.    |                  |

## Div. III.

|                   |                  |
|-------------------|------------------|
| Asselstine, R. W. | Murray, T. N.    |
| Baker, W. C.      | Macdonald, K. J. |
| Barr, J.          | McLean, J. R.    |
| Croskery, R. A.   | McLean, J. W.    |
| Goodfellow, J.    | McLeod, C.       |
| Glover, T. J.     | McVicar, J.      |
| Gray, S. H.       | Neilson, B.      |
| Herbison, W. J.   | Redmond, R. C.   |
| Massie, A. M.     | Shortt, J. S.    |
| Mitchell, J. W.   | Sills, W. R.     |
| Mitchell, S. A.   |                  |

*Pass on First Year Honours.*

|               |               |
|---------------|---------------|
| Hunter, R. F. | Nesbit, D. A. |
| Grant, H. R.  | Pergau, P.    |

*Anglo-Saxon.*

|                 |              |
|-----------------|--------------|
| Fitzpatrick, A. | McManus, E.  |
| Herbison, R.    | Odell, N.    |
| Miller, J. M.   | Raney, W. H. |

*Junior History.*

## Div. II.

|                 |               |
|-----------------|---------------|
| Feir, H.        | Snyder, H. A. |
| Kellock, W. McC | Spencer, H.   |
| McManus, E.     | Windel, H. C. |

## Div. III.

|               |                |
|---------------|----------------|
| Carson, J. T. | Mowat, J. McD  |
| Keith, A.     | Rayside, J. S. |
| Knapp, A. E.  | Webster, B. E. |

*Senior History.*

## Div. I.

|               |               |
|---------------|---------------|
| Beveridge, A. | Lavell, C. F. |
|---------------|---------------|

## Div. II.

Anglin, S. E.

Kirkpatrick, C. S.

## Div. III.

Carson, J. T.  
McNab, R. C.Peacock, E. R.  
Webster, B. E.*Junior Philosophy.*

## Div. I.

Dyde, C. B.  
Herbison, R.  
King, W. W.  
Mitchell, S. A.  
McManus, E.Nickle, W. F.  
Peacock, E. R.  
Raney, W. H.  
Shortt, J. S.  
Snyder, H. A.

## Div. II.

Bennett, C. V.  
Brown, J. C.  
Bryan, H. W.  
Day, A. E.  
Herbison, W. J.  
McInnes, J. A.  
McMullen, A. J.McRae, P. K.  
Moffat, W.  
Murray, T. N.  
Staples, L. E.  
Taylor, J. A.  
Tudhope, M. B.

## Div. III.

Baker, W. C.  
Barr, J.  
Clothier, J. O.  
Currie, E. C.  
Gray, S. H.  
Guess, H. A.  
McArthur, D. D.  
McDonald, N.  
McKinnon, A.McLean, L. H.  
McLean, J. W.  
Moore, J. R.  
Rannie, A.  
Redmond, R. C.  
Rodgers, J. C.  
Scott, M.  
Smith, J. E.  
Smith, J. H.*Senior Philosophy.*

## Div. I.

Allen, M.  
Best, D. W.  
Fraser, J. R.  
Johnston, J.  
Lavell, C. F.MacDonnell, G. F.  
McIntosh, J. W.  
McNab, R. C.  
McRae, F. A.



## Div. II.

Campbell, C. D.  
 Donovan, M.  
 Graham, A.  
 Goodwin, M. L.  
 Hayden, A.  
 Hunter, H. A.  
 Irving, W. G.  
 Laird, R.  
 Menzies, A. D,

McIntosh, W. D.  
 Nickle, W. F.  
 Nicol, J.  
 Ross, A. E.  
 Squire, G. H.  
 Taylor, J. A.  
 Young, C. G.  
 Wright, J.

## Div. III.

Anglin, F. R.  
 Beaton, A. H.  
 Grant, H. R.  
 Hunter, R. F.  
 Millar, J. L.

Mowat, J. McD.  
 McLeod, C.  
 Richardson, W. W.  
 Webster, B. E.

*Junior Political Science.*

## Div. I.

Herbison, W. J.  
 McManus, E.

Shortt, J. S.  
 Squire, G. H.

## Div. II.

Grant, H. R.

Kellock, W. McC.

## Div. III.

Asselstine, D. P.

Morton, T. P.

*Senior Political Science.*

## Div. I.

Herbison, W. J.  
 Lavell, C. F.  
 McDonald, N.

Mowat, J. McD  
 Peacock, E. R.

## Div. II.

Anglin, S. E.  
 Irving, W. G.

Nickle, W.  
 Squire, G. H.

## Div. III.

Asselstine, D. P.

*Junior Mathematics.*

## Div. I.

|                 |                   |
|-----------------|-------------------|
| Baker, W. C.    | McInnes, C. R.    |
| Feir, H.        | Williamson, A. R. |
| McCreary, R. N. |                   |

## Div. II.

|                 |                |
|-----------------|----------------|
| Begg, C. L.     | Parker, M.     |
| Campbell, G. D. | Peacock, E. R. |
| Conn, J. R.     | Snyder, H. A.  |
| Gray, S. H.     | Watson, J. S.  |
| Griffith, A. J. | Wilson, W. A.  |
| Malone, H. V.   |                |

## Div. III.

|                    |                |
|--------------------|----------------|
| Connolly, H. A.    | McNeill, A. J. |
| Day, A. E.         | Neilson, B.    |
| Instant, R. A.     | Pitts, F. E.   |
| Kirkpatrick, H. R. | Rayside, E.    |
| Millar, W.         | Rose, G. W.    |
| McDougall, C. A.   | Watson, E. C.  |
| McKinnon, A. D.    | White, L. R.   |

*Senior Mathematics.*

## Div. I.

|               |             |
|---------------|-------------|
| McEwen, J. S. | Moffatt, W. |
|---------------|-------------|

## Div. II.

|                |               |
|----------------|---------------|
| Brown, J. C.   | McKinnon, J.  |
| Guess, H. A.   | Wilson, M. H. |
| Goodwin, M. L. |               |

## Div. III.

|                   |                 |
|-------------------|-----------------|
| Asselstine, R. W. | McLean, J. R.   |
| Boddy, M.         | McLean, L. H.   |
| Ferguson, G. A.   | McVicar, J.     |
| Goodfellow, J.    | Russel, J. McG. |
| Hunter, R. F.     | Squire, G. H.   |
| Mooers, H. F.     | Tudhope, M. B.  |

*Junior Physics.*

## Div. I.

|               |                 |
|---------------|-----------------|
| Brown, J. C.  | Mitchell, J. W. |
| Fraser, J. R. |                 |

## DIV. II.

Goodwin, M.  
McEwen, J. S.  
McInnes, C. R.

Scott, T. S.  
Staples, L. E.  
Webster, B. E.

## DIV. III.

Campbell, L. A.  
Findlayson, R. A.  
Guess, G. A.  
Hunter, R. F.  
McKinnon, J. B.  
McLennan, J.

McMullen, A. J.  
Rannie, A.  
Russel, J. McG.  
Squire, G. H.  
Young, C. G.

*Senior Physics.*

## DIV. I.

Mitchell, S. A.  
Norris, I. T.

Wright, J.

## DIV. II.

Donovan, M.  
Kirkconnell, T. A.  
Lavell, A. E.

Mitchell, J. W.  
Nickle, W. F.

## DIV. III.

Hill, R.  
Hunter, R. F.

Webster, B. E.

*Honour Physics as Pass.*

## DIV. II.

Hunter, H. A.

*Junior Natural Science.*

## DIV. I.

Asselstine, R. W.  
Boddy, M.  
Dyde, C. B.

Guess, H. A.  
Moffatt, W.

## DIV. II,

McLean, L. H.  
Spencer, H. J.

Squire, G. H.

## DIV. III.

McKinnon, A. D.

*Senior Natural Science.*

## Div. I.

Boddy, M.  
Donovan, M.  
Fox, C. B.

Ross, A. H. D.  
Staples, L. E.

## Div. II.

Kirkpatrick, C. S.  
Markle, J. H.

Row, R. K.

*Junior Hebrew.*

## Div. I.

Leitch, J. A.

Spencer, H. J.

## Div. II.

Claxton, J. A.  
Hunter, H. A.

Rollins, J.  
Stewart, J.

*Junior Chemistry.*

## Div. I.

Baker, W. C.  
Dyde, C. B.  
Goodwin, M. L.  
Guess, H. A.  
Lavell, A. E.

McDonald, H. S.  
Menzies, R. D.  
Moffatt, W.  
Staples, L. E.  
Wilson, W. A.

## Div. II.

Gillen, E.  
Glover, T. J.  
Hill, A. G.

McCreary, R. N.  
McMullen, A. J.  
Young, A.

## Div. III.

Grange, A.  
McKinnon, A. D.

McLean, L. H.  
Maclean, M. J.

*Senior Chemistry.*

## Div. I.

Fox, C. B.  
Lavell, A. E.  
Leitch, J. A.

MacVicar, J.  
Wright, J.

## Div. II.

McDonald, H. S.

Richardson, W. W.

*Qualitative Analysis.*

Boddy, M.

MacVicar, J.

## PRELIMINARY HONOURS.

- Latin.* Cl. I. Macdonnell, G. F.  
*Greek.* Cl. II. Macaulay, W. B. T.  
*Anglo-Saxon.* Millar, J. M., Herbison, R., Fitzpatrick, A.,  
 Raney, W. H., Odell, N., McManus, E.  
*History.* Cl. II. Carson, J. T.  
*Philosophy.* Cl. II. Fraser, J. R., Peck, W. W.  
 “ (as a Pass Class). Div. II. Stewart, J. Div. III. Best,  
 D. W., Lang, G. R.  
*Mathematics.* Mitchell, S. A., Scott, T. S., Campbell, D.

## SYSTEMATIC THEOLOGY.

## DIV. I.

- |                  |                 |
|------------------|-----------------|
| Black, W.        | Rattee, E. J.   |
| Drummond, D. R.  | Scott, T. R.    |
| Kellock, W. McC. | Sinclair, J. A. |
| Millar, J. M.    | Sharp, J.       |
| McLennan, A. K.  | Thompson, T. J. |
| McPherson, N.    | Thompson, A.    |

## DIV. II.

- |                |                  |
|----------------|------------------|
| Claxton, J. A. | McFarland, J. F. |
| Daly, C. H.    | Phalen, R. M.    |
| Fraser, J.     | Rollins, J.      |
| Graham, A.     | Strachan, D.     |
| McPhail, D. G. |                  |

## DIV. III.

- |               |                   |
|---------------|-------------------|
| Black, J. A.  | Connery, D. G. T. |
| Boyd, J. D.   | Muirhead, J. W.   |
| Burns, S. S.  | McArthur, D. O.   |
| Cattanach, J. |                   |

*O. T. Exegesis and Antiquities.*

## DIV. I.

- |                 |              |
|-----------------|--------------|
| Drummond, D. R. | Thompson, A. |
| Rattee, E. J.   |              |

## Div. II.

|                   |                 |
|-------------------|-----------------|
| Black, J. A.      | McPhail, D. G.  |
| Boyd, J. D.       | Millar, J.      |
| Claxton, J. A.    | Phalen, R. M.   |
| Connery, D. G. T. | Rollins, J.     |
| Daly, C. H.       | Scott, T. R.    |
| Graham, A.        | Sharp, J.       |
| MacLennan, A. K.  | Sinclair, J. A. |
| MacFarland, J. F. | Strachan, D.    |

## Div. III.

|               |                 |
|---------------|-----------------|
| Black, W.     | McPherson, N.   |
| Cattanach, J. | Muirhead, J. W. |
| Fraser, J.    |                 |

*Second Hebrew.*

## Div. II.

|              |               |
|--------------|---------------|
| Black, J. A. | Rattee, E. J. |
|--------------|---------------|

## Div. III.

Connery, D. G. T.

*Third Hebrew.*

## Div. I.

|                  |              |
|------------------|--------------|
| MacLennan, A. K. | Thompson, A. |
|------------------|--------------|

## Div. II.

|            |                   |
|------------|-------------------|
| Fraser, J. | MacFarland, J. F. |
|------------|-------------------|

*Chaldee.*

## Div. II.

Fraser, J.

*N. T. Criticism.*

## Div. I.

|                  |               |
|------------------|---------------|
| Claxton, J. A.   | McPherson, N. |
| Drummond, D. R.  | Phalen, R. M. |
| Fraser, J.       | Rattee, E. J. |
| Graham, A.       | Scott, T. R.  |
| MacLennan, A. K. | Thompson, A.  |
| McPhail, D. G.   |               |

## DIV. II.

|                   |                 |
|-------------------|-----------------|
| Black, W.         | Sharp, J.       |
| Boyd, J. D.       | Sinclair, J. A. |
| Daly, C. H.       | Strachan, D.    |
| MacFarland, J. F. |                 |

## DIV. III.

|                   |                 |
|-------------------|-----------------|
| Black, J. A.      | Millar, J. M.   |
| Burns, S. S.      | Muirhead, J. W. |
| Cattanach, J.     | Rollins, J.     |
| Connery, D. G. T. |                 |

*Apologetics.*

## DIV. I.

|               |               |
|---------------|---------------|
| Graham, A.    | Rattee, E. J. |
| McPherson, N. | Scott, T. R.  |
| Millar, J. M. |               |

## DIV. II.

|              |             |
|--------------|-------------|
| Black, J. A. | Rollins, J. |
|--------------|-------------|

## DIV. III.

|              |                   |
|--------------|-------------------|
| Black, W.    | Connery, D. G. T. |
| Boyd, J. D.  | Daly, C. H.       |
| Burns, S. S. | Muirhead, J. W.   |

*Church History.*

## DIV. I.

|                  |                |
|------------------|----------------|
| Black, W.        | McPhail, D. G. |
| Boyd, J. D.      | McPherson, N.  |
| Cattanach, J.    | Millar, J. M.  |
| Claxton, J. A.   | Phalen, R. M.  |
| Drummond, D. R.  | Rattee, E. J.  |
| Graham, A.       | Rollins, J.    |
| McFarland, J. F. | Sharp, J.      |
| McLennan, A. K.  | Thompson, A.   |

## DIV. II.

|                   |                 |
|-------------------|-----------------|
| Black, J. A.      | McArthur, D. O. |
| Connery, D. G. T. | Scott, T. R.    |
| Daly, C. H.       | Sinclair, J. A. |
| Fraser, J.        | Strachan, D.    |

## DIV. III.

|              |                 |
|--------------|-----------------|
| Boyd, J. D.  | Fitzpatrick, A. |
| Burns, S. S. | Muirhead, J. W. |



## B. D. EXAMINATION.

*Theology.*

McKenzie, A.

Phalen, R. M.

*Apologetics.*McKenzie, A.  
Macfarland, J.  
Phalen, R. M.Rattee, E. J.  
Sharp, J.*N. T. Criticism.*McKenzie, A.  
Phalen, R. M.Rattee, E. J.  
Sharp, J.*O. T. Criticism.*Binnie, J.  
Drummond, D. R.McKenzie, A.  
Sharp, J.*Chaldee.*Drummond, D. R.  
McFarland, F. J.McLennan, A. K.  
Thompson, A.*Church History.*Binnie, J.  
Drummond, D. R.

McFarland, J. F.

---

**PASS LISTS IN MEDICINE, 1891-92.**

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*Physiology.*

## Div. I.

Anderson, W. J.  
Allen, J. R.  
Connell, W. T.  
Craft, R. A.Morden, F. W.  
Seager, J.  
Young, W. A.

## Div. II.

Bissonnette, J. D.  
Drennan, J. G.  
Kayler, W. B.Myers, A. R.  
Parlow, A. B.  
Ryan, C.

## Div. III.

Black, B. F.  
Boucher, J. A.  
Burt, E. A. A.  
Joynor, N. P.Leahy, B. J.  
McCallum, A.  
Robinson, R. R.  
Stevenson, J. A.

*Junior Chemistry.*

## Div. I.

McBroom, J. A.  
Marselis, E. H.

Symington, M. P.

## Div. II.

Berry, G. H.  
Lyle, W. D.  
Stevenson, J. A.

Stewart, G.  
Spotswood, A. J.  
Whiteker, W. C.

## Div. III.

Adamson, H. A.  
Agnew, R. W.  
Burt, E. A. A.  
Clendinning, E.  
Cranston, J. G.  
Fleming, H.  
Henderson, N. R.  
Houston, R. C.  
Johnson, C. G.  
Joynor, N. P.  
Leahy, B. J.

Merriman, W. H.  
McEwen, A.  
McCutcheon, W.  
McKeown, H.  
Parlow, A. B.  
Robinson, A.  
Robinson, R. R.  
Topliffe, A.  
Turner, A.  
Wafer, G. M.

*Senior Theoretical Chemistry.*

Adamson, H. A.  
Burt, E. A. A.  
Hagar, F. C.  
McCutcheon, W.

Parlow, A. B.  
Robinson, R. R.  
Stevenson, J. A.

*Senior Practical Chemistry.*

## Div. I.

Allen, J. R.  
Austin, G. H.  
Burt, E. A. A.

Melville, E. J.  
Morden, F.  
Seager, J.

## Div. II

Stevenson, J.

*Analytical Chemistry.*

## Div. I.

Allen, J. R.  
Burt, E. A. A.  
Melville, E. J.

Morden, F.  
Seager, J.

## Div. II.

Davis, J. J.

*Medical Botany.*

## CL. I.

McBroom, J. A.

## CL. II.

Giles, G. C.  
Johnston, C. G.  
Melville, E. J.

Morden, F. W.  
McEwen, A.  
Robertson, A. C.

## CL. III.

Merriman, W. H.

McDermott, M. F.

*Anatomy.*

## CL. I.

Connell, W. T.  
Craft, R. A.  
Drennan, J. G.

Morden, F. W.  
Seager, J.  
Young, W. A.

## CL. II.

Allen, J. R.  
Anderson, W. J.  
Black, B. F.  
Gibson, J. J.  
Leahy, B. J.

McCallum, A.  
Myers, A. R.  
Neville, M. J.  
Parlow, A. B.  
Ryan, C.

## CL. III.

Boucher, J. A.  
Gillen, E.  
Kinsley, P. J.  
Robertson, A. C.

Sands, W. W.  
Stevenson, J. A.  
Walkinshaw, W.

*Sanitary Science.*

Belton, W. J.  
Birmingham, M. E.  
Cormack, J. H.  
Henderson, E. H.  
Jamieson, A.

Kelly, J. J.  
Lockhart, A.  
Melville, E. J.  
Wheeler, J. W.  
Tuttle, H. E.

*Materia Medica.*

## CL. I.

Connell, W. T.  
Craft, R. A.  
Drennan, J. G.  
McCutcheon, W.  
Morden, F.

Neville, M. J.  
Robertson, A. C.  
Ruttan, F. S.  
Seager, J.  
Young, W. A.

## DIV. II.

|                |                 |
|----------------|-----------------|
| Allen, J. R.   | McCammon, F. J. |
| Black, B. F.   | Parlow, A. B.   |
| Boucher, J. A. | Robinson, R. R. |
| Kayler, W. B.  | Sands, W. W.    |
| Leahy, B. J.   |                 |

## DIV. III.

|                 |                |
|-----------------|----------------|
| Barber, A. E.   | Joynor, N. P.  |
| Douglass, H. E. | McDonnell, H.  |
| Finley, A. E.   | McCallum, A.   |
| Jack, H. M.     | Walkinshaw, W. |

*Jurisprudence.*

## DIV. I.

|                  |                 |
|------------------|-----------------|
| Adams, G. T. C.  | Kirk, F. J.     |
| Belton, W. J.    | Sullivan, D. V. |
| Henderson, E. M. |                 |

## DIV. II.

|                    |               |
|--------------------|---------------|
| Birmingham, F. H.  | Jamieson, A.  |
| Bissonnette, J. D. | Lockhart, A.  |
| Bourns, W. H.      | McDonnell, H. |
| Bourns, T. C.      |               |

## DIV. III.

|                   |                 |
|-------------------|-----------------|
| Adamson, H. A.    | Robinson, R. R. |
| Birmingham, M. E. | Smith, G. H. W. |
| Cormack, J. H.    | Stackhouse, A.  |
| Gibson, J. C.     | Tuttle, H. E.   |
| Hare, W. G.       | Wheeler, J. W.  |
| Kelly, J. J.      |                 |

*Histology.*

## DIV. II.

|                   |                   |
|-------------------|-------------------|
| Birmingham, M. E. | Skimin, N. St. G. |
|-------------------|-------------------|

*Practice of Medicine and Pathology.*

## DIV. I.

|                    |                   |
|--------------------|-------------------|
| Balfe, T. H.       | Lent, E. J.       |
| Birmingham, F. H.  | Lockhart, A.      |
| Bissonnette, J. D. | Skimin, N. St. G. |
| Henderson, E. M.   | Smith, G. H. W.   |
| Jamieson, A.       | Sullivan, D. V.   |
| Kelly, J. J., B.A. | Turnbull, A.      |
| Kirk, F. J., B.A.  | Wood, I., M.A.    |

## DIV. II.

|                   |                 |
|-------------------|-----------------|
| Adams, G. T. C.   | Hare, W. G.     |
| Belton, W. J.     | Melville, E. J. |
| Birmingham, M. E. | McCammon, F. J. |
| Bourns, W. H.     | Scott, T. B.    |
| Denaut, H. D.     | Stevens, N. T.  |
| Douglass, H. E.   | Wheeler, J. W.  |
| Gibson, J. C.     |                 |

## DIV. III.

|                |                 |
|----------------|-----------------|
| Adams, J.      | Robinson, R. R. |
| Adamson, H. A. | Thompson, W. B. |
| Barber, A. E.  | Tuttle, H. E.   |
| Bourns, T. C.  |                 |

*Surgery and Surgical Anatomy.*

## DIV. I.

|                  |                 |
|------------------|-----------------|
| Balfe, T. H.     | Lent, E. J.     |
| Bourns, T. C.    | Lockhart, A.    |
| Bourns, W. H.    | Scott, T. B.    |
| Henderson, E. M. | Sullivan, D. V. |
| Kelly, J. J.     | Wheeler, J. W.  |
| Kirk, F. J.      | Wood, I.        |

## DIV. II.

|                    |                 |
|--------------------|-----------------|
| Adams, G. T. C.    | Gibson, J. C.   |
| Barber, A. E.      | Jamieson, A.    |
| Belton, W. J.      | Melville, E. J. |
| Birmingham, M. E.  | McCammon, F. J. |
| Bissonnette, J. D. | Stevens, N. T.  |
| Denaut, H. D.      |                 |

## DIV. III.

|                   |                 |
|-------------------|-----------------|
| Adamson, H. A.    | Robinson, R. R. |
| Birmingham, F. H. | Smith, G. H. W. |
| Douglass, H. E.   | Turnbull, A.    |
| Hare, W. G.       | Tuttle, H. E.   |

*Obstetrics.*

## DIV. I.

|               |                 |
|---------------|-----------------|
| Balfe, T. H.  | Lockhart, A.    |
| Belton, W. J. | Scott, T. B.    |
| Kirk, F. J.   | Sullivan, D. V. |
| Lent, E. J.   | Wood, I.        |

## DIV. II.

Adams, G. T. C.  
 Adamson, H. A.  
 Bermingham, F. H.  
 Bermingham, M. E.  
 Bissonnette, J. D.  
 Bourns, T. C.  
 Bourns, W. H.  
 Henderson, E. M.

Jamieson, A.  
 Kelly, J. J.  
 Melville, E. J.  
 Skimin, N. St. G.  
 Smith, G. H. W.  
 Stevens, N. T.  
 Turnbull, A.  
 Wheeler, J. W.

## DIV. III.

Barber, A. E.  
 Denaut, H. D.  
 Douglass, E. J.  
 Gibson, J. C.  
 Hare, W. G.

McCammon, F. J.  
 Robinson, R. R.  
 Stackhouse, A.  
 Tuttle, H. E.

### HONOUR LISTS FROM 1877.

1877.

*Classics.* Cl. I. Mackenzie, Arch. A.

*Mathematics.* Cl. I. Irvine, Wm. H.

*Philosophy.* Cl. I. Mackenzie, Arch. A.

*English Literature and History.* Cl. I. Mackenzie, Arch. A.

1878.

*Classics.* Cl. I. Macdonald, Geo.

*Mathematics.* Cl. I. Givens, D. A. McLennan, F. M.

*Philosophy.* Cl. I. Macdonald, Geo.

*English Literature and History.* Cl. I. Macdonald, Geo.

1879.

*Classics.* Cl. I. Briden, Wm. H. McTavish, D.

*Mathematics.* Cl. I. Stewart, W.

Cl. II. McMillan, H. H.

*History.* Cl. I. McKay, M.

*Chemistry.* Cl. I. Dupuis, J. M.

1880.

*Classics.* Cl. I. Linton, A. R.

*Philosophy.* Cl. I. McCallum, A. B.

*Political Economy.* Cl. I. Shibley, H. T.

*Chemistry.* Cl. I. Shannon, L. W.

*Moderns.* Cl. I. Robertson, M. S.

1881.

*Classics.* Cl. I. Dyde, S. W.

*Greek.* Cl. I. Smith, A. L.

*Latin.* Cl. I. McKay, R.

Cl. II. Irving, R.

*Mathematics.* Cl. I. Davis, B. N. Hume, J. P.

*Philosophy.* Cl. I. Linton, A. R. McTavish, D.

*Political Economy.* Cl. I. O'Reilly, J. R.

*English Literature and History.* Cl. I. Young, J. Fowler, H. C.

*Chemistry.* Cl. I. Hume, J. P. Davis, B. N.

1882.

*Greek.* Cl. I. Cameron, C. J.

*Latin.* Cl. I. Cameron, C. J.

Cl. II. Smith, A. L.



*Philosophy.* Cl. I. Hay, J.  
*Political Economy.* Cl. I. McLeod, A.  
*English Literature and History.* Cl. I. Ferguson, R.  
 Cl. II. Johnston, J. R.  
*History.* Cl. I. Shibley, H. T.

1883.

*Mathematics.* Cl. I. Givan, A.  
*Philosophy.* Cl. I. Shortt, A.  
*English Literature and History.* Cl. I. Gandier, A. Smith, A. L.  
*Chemistry.* Cl. I. Nicol, W.

1884.

*Greek.* Cl. I. Fitzgerald, E. S.  
*Latin.* Cl. I. Fitzgerald, E. S.  
 Cl. II. Cooke, J.  
*Philosophy.* Cl. I. Dyde, S. W.  
*Political Economy.* Cl. I. Hay, J.  
*English Literature.* Cl. I. Henderson, G. F.  
*Chemistry.* Cl. I. McGillivray, Alice.

1885.

*Greek.* Cl. II. Mitchell, G. W. Drummond, W. J.  
*Latin.* Cl. II. Mitchell, G. W. Drummond, W. J.  
*Mathematics.* Cl. I. Connell, J. C.  
 Cl. II. McColl, A. E.  
*Chemistry.* Cl. I. Scott, C. A.  
*Natural Science.* Cl. I. Nicol, W.  
 Cl. II. Scott, C. A.

1886.

*Greek.* Cl. I. Clyde, W.  
*Mathematics.* Cl. I. Horsey, H. E. McKinnon, J.  
*Philosophy.* Cl. I. Gandier, A.  
*English Literature and History.* Cl. I. Hunter, J. McF. McRae.  
 T. W. R. Nicol, W.  
 Cl. II. Miller, J.  
*English.* Cl. II. Elliott, E.  
*History.* Cl. I. Elliott, E.  
*Chemistry.* Cl. I. Gardiner, S. H. Shorey, E. C.  
*Natural Science.* Cl. I. Gardiner, S. H. Shorey, E. C.  
*Moderns.* Cl. I. Dunlop, J. G. Folger, Marion.  
 Cl. II. Elliott, E. Miller, J.

1887.

*Greek.* Cl. I. Logie, W. A. Parker, F. R.

Cl. II. Wilson, H. L.

*Latin.* Cl. I. Logie, W. A. Parker, F. R.

Cl. II. Wilson, H. L.

*Mathematics.* Cl. I. Findlay, J.*Philosophy.* Cl. I. Marshall, J.*Political Economy.* Cl. I. McLeod, P. A. Wright, J. J.*English Literature and History* Cl. II. Dunlop, J. G.*Chemistry.* Cl. I. Kilborn, O. L.

Cl. II. McClement, W. T.

1888.

*Greek.* Cl. I. Wilson, H. L. Finlay, W. A.

Cl. II. Hartwell, G. E.

*Latin.* Cl. I. Wilson, H. L. Finlay, W. A. Beall, A. W.

Cl. II. Claxton, J. Barclay, W. B. C.

*Mathematics.* Cl. I. Patterson, W. J.

Cl. II. Ross, A. H. D.

*Philosophy.* Cl. I. Mackenzie, M.*Political Economy.* Cl. I. Hay, A. G. Binnie, J. Sharp, J.*English Literature and History.* Cl. II. Barclay, W. B. C.*Chemistry.* Cl. I. Hales, J.

Cl. II. Haig, A. Morden, G. W. White, J. W.

*Natural Science.* Cl. I. Allen, T. G. McClement, W. T.*Moderns.* Cl. I. Beall, A. W. Claxton, J.

1889.

*Greek.* Cl. I. Drummond, D. R. Dyde, G. E. Mills, J. H.

Cl. II. Cooke, J.

*Latin.* Cl. I. Drummond, D. R., Dyde, G. E., and Mills, J. H.,  
equal.

Cl. II. Griffin, E. S.

*Mathematics.* Cl. I. Minnes, R. King, F. Farrell, T. H. Curle, W.*Philosophy.* Cl. I. McLeod, P. A.

Cl. II. Sharp, J. Binnie, J. Hay, A. G.

*Political Economy.* Cl. I. Patterson, W. J. Curle, W. Sinclair, J. A.

Cl. II. Phalen, R. M.

*English Literature.* Cl. II. Lett, R. M. McDonald, N.*History.* Cl. I. Lett, R. M.*Chemistry.* Cl. I. Walker, T.

Cl. II. Corkill, E. J. Pope, F. J.

- Botany.* Cl. I. Bowerman, J. T.  
 Cl. II. Corkill, E. J. Walker, T. L.  
*Zoology.* Cl. I. Bowerman, J. T.  
*Geology.* Cl. I. Bowerman, J. T.  
*Moderns.* Cl. II. Griffin, E. S. Lett, R. M.

## 1890.

- Greek.* Cl. I. Heap, F.  
*Latin.* Cl. I. Heap, F.  
*Mathematics.* Cl. I. Snell, J. Carmichael, N. R.  
*Philosophy.* Cl. I. Sinclair, J. A. Findlay, J.  
*English Literature.* Cl. I. Hamilton, C. F.  
*History.* Cl. I. Hamilton, C. F. Shibley, L.  
 Cl. II. Smellie, J. F.  
*Chemistry.* Cl. I. Pope, F. J.  
*Natural Science.—Botany.* Cl. I. Lees, R. Fenwick, A. M.  
*Geology.* Cl. I. Fenwick, A. M. Lees, R.  
*Zoology.* Cl. I. Fenwick, A. M. Lees, R.

## 1891.

- Greek.* Cl. I. Ireland, F. A. W. Carmichael, N. R.  
*Latin.* Cl. I. Ireland, F. A. W. Carmichael, N. R.  
 Cl. II. Downing, J. J.  
*Mathematics.* Cl. II. McPherson, W. A. Boyle, J.  
*Philosophy.* Cl. I. Millar, J. McPherson, N.  
*English Literature.* Cl. I. Kelloch, J. M. Marquis, T. G.  
 Marshall, J. Ireland, F. A. W.  
*History.* Cl. I. Peck, W. W.  
 Cl. II. Wilson, C. L. M.  
*Chemistry.* Cl. I. Wood, I. Arthur, C. C.  
*Natural Science.—Botany.* Cl. I. Arthur, C. C. Baker, H. M.  
 Cowley, R. H.  
*Zoology.* Cl. I. Pope, F. J. Arthur, C. C.  
 Wood, I. Cunningham, D.  
 Baker, H. M. Lockhart, T. J.  
*Geology.* Cl. I. Baker, H. M.  
*Moderns.* Cl. I. Campbell, A. G.  
 Cl. II. Wilson, C. L. M.

## 1892.

- Latin.* Cl. I. McDonald J., and Laird R., equal. Hutcheon.  
 R. J. McIntosh, W. D.  
 Cl. II. Ross, A. E. Connell, J. Downing, J.  
*Greek.* Cl. I. McDonald, J. Laird, R. Hutcheon, R. J.  
 Cl. II. Ross, A. E. Connell, J.

- Moderns.*—*French.* Cl. H. Downing, J.  
*German.* Cl. II. Downing, J.  
*Italian.* Cl. I. Downing, J.
- English.* Cl. I. Sharp, J.  
 Cl. II. Gallup, E. C. O'Shea, J. Hugo, F.
- History.* Cl. I. Pergau, P. Kelloch, J. McC.  
 Cl. II. Malcolm, G.
- Philosophy.* Cl. I. Thompson, T. J.
- Political Science.* Cl. I. Peck, W. W. Sinclair, J. A.  
 Cl. II. Hugo, F.
- Mathematics.* Cl. I. Stewart, J. A. Gibson, J. C. Reid, E.  
 Cl. II. Campbell, P. McG.
- Natural Science.*—*Geology.* Cl. I. Cowley, R. H. Smith, J. H.

**Explanation of the Numbers attached to the Names in the following List.**

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PREVIOUS TO 1892.

1. Gold Medallist in Classics.
2. Silver Medallist in Classics.
3. Gold Medallist in Mathematics.
4. Gold Medallist in Philosophy.
5. Gold Medallist in History and English Literature.
6. Gold Medallist in Political Economy.
7. Silver Medallist in Political Economy.
8. Gold Medallist in Chemistry.
9. Silver Medallist in Chemistry.
10. Silver Medallist in Modern Languages.
11. Silver Medallist in Natural Science.

1892 AND AFTERWARDS.

- |     |                                |
|-----|--------------------------------|
| 1.  | University Medallist in Latin. |
| 2.  | “ “ Greek.                     |
| 3.  | “ “ Moderns.                   |
| 4.  | “ “ English.                   |
| 5.  | “ “ History.                   |
| 6.  | “ “ Philosophy.                |
| 7.  | “ “ Political Science.         |
| 8.  | “ “ Mathematics.               |
| 9.  | “ “ Chemistry.                 |
| 10. | “ “ Physics and Astronomy.     |
| 11. | “ “ General Biology.           |

- 
12. Prince of Wales' Prize.
  13. Governor General's Prize.
  14. Gowan Prize; Botany.
  15. Macpherson Prize.
  16. Thorburn Prize.
  17. Lewis Prize.
  18. Latin Composition Prize.
  19. Greek Composition Prize.
  20. Gold Medallist in History.
  21. Silver Medallist in History.
  22. Maclellan Prize.
  23. Carmichael Prize.
  24. Chancellor's Prize.
  25. Gowan Prize; Political Science.
  26. Hague Prize.
  27. English Verse Prize.

NOTE. The University Medal is now the highest award in honours. Candidates must take all the honour papers in the work of the courses selected; and no medal is awarded to any candidate who fails to obtain three-fourths of the whole number of marks.

## LIST OF GRADUATES.

(Graduates are requested to intimate to the Registrar change of residence or any omission in the list).

Names marked with an asterisk are names of clergymen.

| Name.   | Date of Graduation. | Address.              |
|---|---------------------|-----------------------|
| Abbott, Rodney H., M.D.....                       | 1879....            | Comber.               |
| Abbott, Samuel A., M.D.....                       | 1868....            | (Deceased).           |
| *Acheson, Stuart, B.A.....                        | 1887....            | Toronto.              |
| Adams, George T. C., M.D.....                     | 1892....            | Sydney, N. S. W.      |
| Adams, Joseph, M.D.....                           | 1892....            | Kingston.             |
| Adamson, Herbert A., M.D.....                     | 1892....            | Ottawa.               |
| Agnew, Andrew, B.A.....                           | 1865 ...            | Chicago.              |
| Agnew, John, B.A., 1859; M.A.,<br>1872; M.D.....  | 1865....            | (Deceased).           |
| Alexander, Francis R., M.D.....                   | 1881....            | (Deceased).           |
| Alexander, James A., M.D.....                     | 1869....            | (Deceased).           |
| <sup>14,8</sup> Allen, Thos. G., B.A., 1888; M.A. | 1889....            | Seaforth.             |
| Allen, Alfred G., M.D.....                        | 1887....            | Gananoque.            |
| Alway, Enoch, M.D.....                            | 1869....            | Binbrook.             |
| Ami, Henry M. (M.A.), D.Sc.....                   | 1892....            | Ottawa.               |
| Anderson, James J., M.D.....                      | 1887....            | Smith's Falls.        |
| Anderson, W. J., M.D.....                         | 1861....            | Smith's Falls.        |
| Anglin, Jas. V., B.A., 1883; M.D.                 | 1887....            |                       |
| Anglin, Robert S., M.D.....                       | 1882....            | Omaha, Neb.           |
| Anglin, Sara E., B.A.....                         | 1892....            | Kingston.             |
| Anglin, William G., M.D.....                      | 1883....            | Kingston.             |
| (Professor, Royal Medical College).               |                     |                       |
| Armour, James, B.A.....                           | 1886....            | Perth.                |
| Armstrong, Albert, M.D.....                       | 1867....            | Arnprior.             |
| Armstrong, Alfred, M.D.....                       | 1866....            | (Deceased).           |
| Arthur, Colin C., M.A.....                        | 1891....            | Hamilton.             |
| *Ashton, John J., B.A.....                        | 1886....            | Newcastle.            |
| Asselstine, David P., B.A.....                    | 1892....            | Kingston.             |
| Asselstine, Henry A., B.A....                     | 1876....            |                       |
| Aylesworth, Archibald K., M.D...                  | 1863....            | (Deceased).           |
| *Awde, James, B.A.....                            | 1879....            | Brantford.            |
| Bain, Angus U., B.A.....                          | 1888....            | Toronto.              |
| <sup>12</sup> Bain, Hugh U., B.A.....             | 1871....            | Prince Albert, N.W.T. |
| Bain, John F., B.A.....                           | 1867....            | Winnipeg.             |

| Name.   | Date of Graduation. | Address.   |
|---|---------------------|--|
| *Bain, William, B.A., 1845; M.A.,<br>1847; D.D.....     | 1872....            | (Deceased).  |
| Bain, William G., B.A.....                              | 1886....            | Winnipeg.  |
| Bain, William R., B.A.....                              | 1863....            |  |
| Baker, Hattie M., M.A.....                              | 1892....            | Kingston.  |
| Baker, Herbert W., B.A.....                             | 1891....            | Kingston.  |
| Baker, Thomas C., M.D.....                              | 1888....            |  |
| Balie, Thomas H., M.D.....                              | 1892....            | Smith's Falls.   |
| Ballagh, James H., B.A.....                             | 1878....            | Rockwell City.   |
| Barber, Albert E., M.D.....                             | 1892....            | Athens.  |
| Barclay, William B. C., B.A.....                        | 1888....            | Arnprior.  |
| Buteman, Francis J., B.A.....                           | 1888....            | Christiana.  |
| *Baxter, John C., D.D.....                              | 1878....            | Scotland.  |
| *Bayne, James, D.D.....                                 | 1865....            | (Deceased).  |
| <sup>10</sup> Beall, Arthur W., B.A., 1888;<br>M.A..... | 1892 ...            | Kyoto, Japan.  |
| Beattie, John A., B.A.....                              | 1891....            | Barnett.   |
| Beattie, William, M.D.....                              | 1866....            | Wayram.  |
| Beatty, Elizabeth R., M.D.....                          | 1884....            | Indore, India.<br>( <i>Medical Missionary</i> ).                       |
| Beeman, William C., M.D. ....                           | 1886....            | Cataraqui.   |
| Beeman, Thomas W., M.D.....                             | 1878....            | Smith's Falls.   |
| Beeman, Truman A., M.D.....                             | 1887....            | Bancroft.  |
| Beckett, James, M.D.....                                | 1863....            | (Deceased).  |
| Begg, John W., M.D.....                                 | 1887....            | Dalhousie, N. S.   |
| Belch, John A., M.D.....                                | 1889....            | Norwood, N. Y.   |
| Bell, Alexander, M.D.....                               | 1865....            | Lakefield.   |
| Bell, Andrew, B.A.....                                  | 1853....            | Almonte.   |
| *Bell, George, B.A., 1845; LL.D....                     | 1872....            | Kingston.<br>( <i>Registrar, Queen's University</i> ).                 |
| Bell, George, B.A.....                                  | 1878....            | Toronto.   |
| Bell, James M., M.D.....                                | 1857....            | (Deceased).  |
| Bell, John, B.A., 1862; M.A., 1865;<br>M.D.....         | 1866....            | (Deceased).  |
| Bell, John, B.A.....                                    | 1890....            | Peterboro.   |
| Bell, John H., M.D.....                                 | 1890....            | Kingston.  |
| Bell, Josiah J., B.A., 1864; M.A....                    | 1877....            | Toronto.   |
| Bell, Robert, LL.D.....                                 | 1883 ...            | Ottawa.<br>( <i>Assistant Director, Geological Survey of Canada</i> ). |
| *Bell, William, B.A.....                                | 1855....            | (Deceased).  |
| *Bellis, George, D.D.....                               | 1880....            | (Deceased).  |
| Belton, William J., M.D.....                            | 1892....            | Clayton.   |
| *Bennett, Orr, B.A.....                                 | 1886....            | Minden.  |
| Bennett, Henry, M.D.....                                | 1878....            | Sullivan.  |



| Name.                                       | Date of<br>Graduation. | Address.            |
|---|------------------------|---------------------|
| Benson, John R., B.A., 1853; M.D.           | 1858                   | (Deceased).         |
| *Bergne, Samuel B., D.D.                    | 1865                   | London, Eng.        |
| Bermingham, Frank H., M.D.                  | 1892                   | Kingston.           |
| Bermingham, Mary E., M.D.                   | 1892                   | Kingston.           |
| Bernard, Gerald, M.D.                       | 1871                   | Newcastle-on-Tyne.  |
| Bertram, Thomas A., M.D.                    | 1885                   | Dundas.             |
| Bethune, Alexander, M.D.                    | 1858                   | Seaforth.           |
| Bethune, Henry F., M.D.                     | 1869                   | Clanbrassie.        |
| Bethune, William, B.A.                      | 1864                   | Geneseo, Ill.       |
| Betts, Alfred H., M.D.                      | 1875                   | (Deceased).         |
| Betts, John H., M.D.                        | 1881                   |                     |
| Beveridge, Alice B., B.A.                   | 1892                   | Kingston.           |
| Bice, Mark, M.D.                            | 1869                   | Arva.               |
| Bigham, Hugh, M.D.                          | 1864                   | (Deceased).         |
| Bigham, James, M.D.                         | 1868                   | Warsaw.             |
| Bigham, John, M.D.                          | 1865                   | (Deceased)          |
| Binnie, James, B.A., 1889; M.A.             | 1890                   | Durham.             |
| Bird, Francis W., M.D.                      | 1859                   | (Deceased).         |
| Bird, Nelson J., M.D.                       | 1860                   | San Francisco, Cal. |
| Bissonnette, Julien D., B.A., 1880;<br>M.D. | 1892                   | Burnbrae.           |
| *Black, John, D.D.                          | 1876                   | (Deceased).         |
| Black, John A., B.A.                        | 1891                   | Warkworth.          |
| Black, William A., M.D.                     | 1862                   | (Deceased).         |
| Blakeley, Robert, M.D.                      | 1861                   | (Deceased).         |
| Blaylock, Ella, M.D.                        | 1887                   | Nashua, New Haven.  |
| Bleasdell, Charles E., M.D.                 | 1868                   | (Deceased).         |
| Bonner, John, B.A., 1845; M.A.              | 1847                   | (Deceased).         |
| Booth, Donald B., M.D.                      | 1868                   | Odessa              |
| Bourchier, H. P., B.A.                      | 1853                   | (Deceased).         |
| Bourinot, John G., LL.D.                    | 1887                   | Ottawa.             |
| Bourns, Thomas C., M.D.                     | 1892                   | Addison.            |
| Bourns, William H., M.D.                    | 1892                   | Addison.            |
| Bowen, George H., M.D.                      | 1877                   | Seeley's Bay        |
| Bowen, Robert, M.D.                         | 1865                   | H M. Service.       |
| Bowerman, John T., M.A.                     | 1891                   | Ottawa.             |
| Bowers, Samuel S., M.D.                     | 1857                   | Fond du Lac, Wis.   |
| Boyd, Edward, LL.B.                         | 1863                   | Cincinnati, U. S    |
| *Boyd, John D., B.A.                        | 1889                   | Kingston.           |
| Boyle, Arthur R., M.D.                      | 1859                   | Toronto             |
| Boyle, Joseph, B.A.                         | 1891                   | Gananoque.          |
| *Boyle, W. H. W., B.A.                      | 1884                   | St. Thomas.         |
| Bradley, Gordon F., B.A.                    | 1890                   | Winnipeg.           |
| Brady, James, M.D.                          | 1891                   | Cambden, N.Y.       |
| Branigan, P. K., M.D.                       | 1862                   | (Deceased).         |

| Name.  | Date of Graduation. | Address.              |
|--|---------------------|-----------------------|
| Bray, John L., M.D.                              | 1863                | Chatham, O.           |
| <sup>1</sup> <sup>12</sup> Briden, William, B.A. | 1880                | Ingersoll.            |
| Bridgland, Samuel, M.D.                          | 1870                | Bracebridge.          |
| Brien, James, M.D.                               | 1872                | Essex Centre.         |
| Britton, Edward H., B.A.                         | 1884                | Toronto.              |
| Brown, Frederick M., B.A.                        | 1890                | Kingston.             |
| *Brown, James A., B.A.                           | 1883                | Agincourt.            |
| Brown, J. G. Williston, B.A.                     | 1890                | Charlottetown, P.E.I. |
| Brown, Marshall J., M.D.                         | 1856                | Kingston.             |
| Brown, William G., B.A.                          | 1881                | Toronto.              |
| Brown, Sara A., M.D.                             | 1890                | Fingal.               |
| Bruce, Frederick, M.D.                           | 1886                | Mount Morris, Mich.   |
| Bryan, George J., B.A.                           | 1888                | Declare, Man.         |
| Brymner, Douglas, LL.D.                          | 1892                | Ottawa.               |
| *Buchanan, John H., B.A.                         | 1885                | Indore, India.        |
| <i>(Medical Missionary).</i>                     |                     |                       |
| Buchanan, H. M., M.D.                            | 1889                | St. Lawrence, N.Y.    |
| Buckley, Patrick B., LL.B.                       | 1863                | (Deceased).           |
| Bullis, William H., M.D.                         | 1884                | Chatham, O.           |
| Burdett, Harry E., M.D.                          | 1886                | St. Paul, Minn.       |
| Burgess, James E., B.A., 1868; M.A.              | 1876                | Sydenham.             |
| Burns, Clement B., B.A.                          | 1890                | Halifax.              |
| *Burns, James C., D.D.                           | 1884                | Kirkliston, Scotland. |
| <sup>15</sup> Burns, William, B.A.               | 1886                | Victoria, B.C.        |
| Burrows, John G., M.D.                           | 1891                | Napanee.              |
| *Caie, George J., B.A.                           | 1861                | Forfar, Scotland.     |
| Caldwell, William C., B.A.                       | 1866                | Lanark.               |
| Camelon, Thomas P., M.D.                         | 1890                | Sioux Falls, Dak.     |
| Cameron, Alexander D., M.D.                      | 1882                | Lancaster.            |
| *Cameron, Charles I., B.A., 1861;                |                     |                       |
| M.A.   | 1868                | (Deceased).           |
| * <sup>1</sup> Cameron, Charles J., B.A., 1886;  |                     |                       |
| M.A.   | 1887                | Brockville.           |
| Cameron, C. Alice, B.A.                          | 1888                | Toronto.              |
| Cameron, Dan., M.D.                              | 1887                | Perth.                |
| *Cameron, Hugh, B.A.                             | 1876                | Morrisburg.           |
| Cameron, James C., B.A.                          | 1888                | Cornwall.             |
| Cameron, John, B.A.                              | 1864                | Toronto.              |
| *Cameron, James Y., M.A.                         | 1865                | (Deceased).           |
| Cameron, William A., B.A., 1887;                 |                     |                       |
| M.D.   | 1890                | Kemptville.           |
| Campbell, Albert L., M.D.                        | 1889                | Belleville.           |
| *Campbell, Alexander, B.A.                       | 1862                |                       |
| *Campbell, Alexander J., D.D.                    | 1887                | Geelong, Aus.         |
| <sup>11</sup> Campbell, Annie G., B.A.           | 1891                | Perth.                |

| Name.   | Date of Graduation. | Address.          |
|---|---------------------|-------------------|
| Campbell, Donald, B.A.....                              | 1850....            | (Deceased).       |
| Campbell, George, M.D.....                              | 1859....            | H. M. Navy.       |
| Campbell, James W., M.D.....                            | 1891....            | Kingston.         |
| *Campbell, John, B.A., 1847; M.A.                       | 1850....            | (Deceased).       |
| Campbell, John H., M.D.....                             | 1856....            | (Deceased).       |
| Campbell, Joseph, M.D.....                              | 1867....            | Paisley.          |
| Campbell, Joseph S., M.D.....                           | 1890....            | Deseronto.        |
| *Campbell, Neil, B.A.....                               | 1883....            | Oliver's Ferry.   |
| Campbell, Peter McG., B.A....                           | 1892....            | Admaston.         |
| *Campbell, Robert, B.A., 1856;<br>M.A., 1858; D.D.....  | 1887....            | Montreal.         |
| *Campbell, Robert, B.A., 1867;<br>M.A., 1870; D.Sc..... | 1884....            | Renfrew.          |
| Carmichael, Andrew, M.D.....                            | 1861....            | Spencerville.     |
| *Carmichael, James, D.D.....                            | 1892....            | Strange.          |
| Carmichael, James F., B.A.....                          | 1887....            | Toronto.          |
| <sup>2</sup> Carmichael, Norman R., M.A....             | 1890....            | Strange.          |
| Cartwright, Alexander D., B.A....                       | 1885....            | Toronto.          |
| Cartwright, Richard C., M.D.....                        | 1884....            | Rochester, N. Y.  |
| Carscallen, Allen B., M.D.....                          | 1875....            | Enterprize.       |
| Case, George H., M.D.....                               | 1876....            | (Deceased).       |
| Casselman, Joseph, M.D.....                             | 1886....            | N. Williamsburg.  |
| Cattanach, James, B.A.....                              | 1889....            | Williamstown.     |
| *Cattanach, John C., B.A., 1868;<br>M.A.....            | 1881....            |                   |
| *Caven, William, D.D.....                               | 1875....            | Toronto.          |
| <i>(Principal, Knox College).</i>                       |                     |                   |
| Chaffey, Ellsworth, M.D.....                            | 1871....            | Ontario, Cal.     |
| Chamberlain, T. F., M.D.....                            | 1862....            | Morrisburg.       |
| Chamberlain, Watson P., M.D....                         | 1888....            | Morrisburg.       |
| Chambers, Alice, B.A.....                               | 1888....            | Brantford.        |
| Chambers, Daniel, M.D.....                              | 1855....            | (Deceased).       |
| Chambers, Mary M., B.A.....                             | 1891....            | British Columbia. |
| *Chambers, Robert, B.A.....                             | 1866....            | Bardezag, Turkey. |
| Chambers, William, B.A.....                             | 1883....            | Los Angeles, Cal. |
| Channonhouse, John, M.D.....                            | 1863....            | Eganville.        |
| Channonhouse, R. C., M.D.....                           | 1889....            | Harrowsmith.      |
| Channonhouse, Thomas, M.D....                           | 1860....            | (Deceased).       |
| Chapman, Edward J., LL.D.....                           | 1867....            | Toronto.          |
| <i>(Professor, University College).</i>                 |                     |                   |
| *Childerhose, Stephen, B.A.....                         | 1884....            | Eldorado, Ont.    |
| Chisholm, James (B.A.), LL.B....                        | 1892....            | Hamilton.         |
| *Chisholm, John, B.A.....                               | 1878....            | Dunbarton.        |
| Chisholm, Harvey F., M.D.....                           | 1857....            | (Deceased).       |

| Name.   | Date of Graduation. | Address.  |
|---|---------------------|---|
| Chown, Albert P., M.D.  | 1890                | Kingston.   |
| Chown, George Y., B.A.  | 1884                | Kingston.   |
| Chown, Henry H., M.D.   | 1880                | Winnipeg.   |
| Chown, Stanley T., B.A.   | 1889                | Shiznoka, Japan.  |
| Chrysler, Francis H., B.A.                                      | 1866                | Ottawa.   |
| Clancy, Charles C., M.D.  | 1883                | Port Huron, Mich.   |
| Clark, W. C. D., M.D.   | 1885                | Bristol, England.   |
| Clarke, James, M.D.   | 1868                | Bay City, Mich.   |
| Clarke, John, M.D.  | 1872                | Peterboro.  |
| Clarke, Joseph A., M.A.   | 1882                | (Deceased).   |
| Clarke, John G., M.D.   | 1880                | Meaford.  |
| Clarke, William, M.D.   | 1879                | Ireland.  |
| *Clarke, William C., B.A.                                       | 1855                | (Deceased).   |
| Claxton, George, B.A.   | 1876                | Gladstone, Man.   |
| Claxton, John A., B.A.  | 1888                | Orillia.  |
| Claxton, William, M.D.  | 1874                | Verona.   |
| Cleaver, J. C. C., M.D.   | 1879                | Montserrat, Trinidad.                                       |
| Cleaver, William F., M.D.                                       | 1879                | Wigan, England.   |
| Clerihew, Ernest M., M.D.                                       | 1890                | New York.   |
| Clinton, George, M.D.   | 1878                | Belleville.   |
| Cloutier, Felix, M.D.   | 1889                | Crysler.  |
| Cluness, William R., B.A., 1855;<br>M.D.                        | 1859                | Sacramento, Cal.  |
| Clyde, William, B.A., 1885; M.A.                                | 1887                | Petrolia.   |
| Cochrane, James B., B.A.  | 1891                | Kingston.   |
| Cogan, Jeremiah R., M.D.  | 1861                | (Deceased).   |
| Coleman, William F., M.D.                                       | 1863                | St. John, N. B.   |
| Collins, Cornelius, M.D.  | 1886                | (Deceased).   |
| Comer, Alexander T., M.D.                                       | 1864                | New York.   |
| Conboy, Daniel, B.A.  | 1888                |   |
| <sup>3</sup> Connell, James C., B.A., 1884;<br>M.A., 1885; M.D. | 1888                | Kingston.<br>( <i>Professor, Women's Medical College.</i> ) |
| Connell, Jessie C., B.A.  | 1892                | Dundas.   |
| Connerty, J. Moore, M.D.  | 1886                | Winchester.   |
| *Cook, John, LL.D.  | 1880                | (Deceased).   |
| Cooke, John, B.A.   | 1884                | Dunnville.  |
| Cooke, William H., M.D.   | 1888                | Minneapolis.  |
| Coon, Darius A., M.D.   | 1890                | Elgin.  |
| Copeland, George T., B.A.                                       | 1889                | Cornwall.   |
| Corbett, George H., M.D.  | 1856                | Orillia.  |
| Corbett, Henry T., M.D.   | 1868                | (Deceased).   |
| Corkill, Edward J., B.A.  | 1886                | Sarnia.   |
| Corlis, Margaret A., M.D.                                       | 1885                | St. Thomas.   |
| *Cormack, James, B.A.   | 1872                | Maxville, Ont.  |

| Name.  | Date of<br>Graduation. | Address.                                   |
|--|------------------------|--|
| Cornell, Albert P., M.D. ....                  | 1882....               | Brockville.                                |
| Cornell, Stanley S., M.D. ....                 | 1886....               | Farmersville.                              |
| *Cornett, William H., B.A. ....                | 1887....               | Spokane, Wash.                             |
| Corry, Robert, M.D. ....                       | 1861....               | (Deceased).                                |
| *Cosgrove, Thomas A., B.A. ....                | 1887....               | St. Mary's.                                |
| Coughlan, Richard, M.D. ....                   | 1881....               | Waterdown.                                 |
| Coutlee, Hillier Noel, M.D. ....               | 1882....               | Sharbot Lake.                              |
| <sup>14</sup> Cowley, Robert H., B.A. ....     | 1889....               | Ottawa.                                    |
| Coy, William F., M.D. ....                     | 1886....               | Chicago.                                   |
| Craig, James J., B.A. ....                     | 1874....               | Mount Forest.                              |
| Craig, Hugh A., M.D. ....                      | 1878....               | Cobourg.                                   |
| *Craig, Robert J., B.A., 1871; M.A.            | 1874 ...               | Deseronto.                                 |
| Craig, William, B.A. ....                      | 1858....               | Pittsburgh.                                |
| Craine, Agnes D., M.D. ....                    | 1888....               | Smith's Falls.                             |
| Cranston, James G., M.D. ....                  | 1860....               | Arnprior.                                  |
| Crawford, Joseph, M.D. ....                    | 1857....               | (Deceased).                                |
| <sup>12</sup> Crawford, Robert, B.A. ....      | 1869....               | Kingston.                                  |
| Creeggan, John G., B.A., 1878;<br>M.D. ....    | 1886....               | Delta                                      |
| Cryan, John, M.D. ....                         | 1883....               | Morrisburg.                                |
| *Cumberland, James, B.A., 1877;<br>M.A. ....   | 1880....               | Stella.                                    |
| Cumberland, Thomas, M.D. ....                  | 1884....               | (Deceased).                                |
| <sup>12</sup> Cumberland, Thomas D., B.A. .... | 1875....               | Winnipeg.                                  |
| Cunningham, Arthur B., B.A. ....               | 1891....               | Kingston.                                  |
| Cunningham, David, B.A., 1887;<br>M.D. ....    | 1890....               | Kingston.                                  |
| Cunningham, Henry C., M.D. ....                | 1885....               | Carman, Man.                               |
| Curle, William, B.A., 1889; M.A.               | 1890....               | Gananoque.                                 |
| *Curran, William B., B.A., 1859;<br>M.A. ....  | 1870....               | Hamilton.                                  |
| *Currie, Archibald, B.A., 1858;<br>M.A. ....   | 1861....               | Sonya.                                     |
| *Currie, John, D.D. ....                       | 1885....               | Halifax.<br>(Professor, Theological Hall). |
| Curry, James W., B.A. ....                     | 1878....               | Port Hope.                                 |
| Daly, Charles H., B.A. ....                    | 1890....               | Peterboro'.                                |
| Daly, Wilberforce, B.A. ....                   | 1880....               | Peterboro'.                                |
| Dame, Alexander A., M.D. ....                  | 1886....               | Galt.                                      |
| *D'Argent, William E., B.A. ....               | 1884....               |  |
| Darragh, Robert J., M.D. ....                  | 1866....               | Sunbury.                                   |
| David, Alfred, M.D. ....                       | 1873....               | Atlantic Mines, Mich.                      |
| David, William C., M.D. ....                   | 1889....               | West Bay City, Mich.                       |
| Davies, Ransom A., M.D. ....                   | 1876....               | Easton's Corners.                          |
| Davis, Bidwell N., B.A. ....                   | 1881....               | Toronto.                                   |

| Name.                             | Date of Graduation. | Address.             |
|-----------------------------------|---------------------|----------------------|
| Davis, Lewis T., M.D.....         | 1883....            | Nanaimo, B.C.        |
| Davis, Robert H., M.D.....        | 1858....            | York, Grand River.   |
| Davis, Sydney N., M.D.....        | 1891....            | York.                |
| Davidson, Myers, M.D.....         | 1864....            | Florence.            |
| *Dawson, Æneas McD., LL.D....     | 1886....            | Ottawa.              |
| *Dawson, Alexander, B.A.....      | 1859....            | Toronto.             |
| Dawson, George M., LL.D.....      | 1890....            | Ottawa.              |
| Dawson, Henry G., M.D.....        | 1885....            | Cape Vincent.        |
| Day, Barnabas W., M.D.....        | 1862....            | Council Grove, Kan.  |
| Day, Henry W., M.D.....           | 1859....            | Belleville.          |
| Day, Jonathan, M.D.....           | 1877....            | (Deceased).          |
| Day, Lewis E., M.D.....           | 1880....            | (Deceased).          |
| Day, Walter D. P. W., M.D.....    | 1871....            | (Deceased).          |
| Deans, George, M.D.....           | 1865....            | Trenton.             |
| Deans, William C., M.D.....       | 1861....            | (Deceased).          |
| Demorest, Clara, M.D.....         | 1890....            | St. Catharines.      |
| Denaut, Henry J., M.D.....        | 1892....            | Delta.               |
| Denike, George H., M.D.....       | 1882....            | Fulton, N. Y.        |
| Dennistoun, Robert M., B.A.....   | 1885....            | Peterboro'.          |
| *Dewar, Donald L., B.A.....       | 1886....            | Ailsa Craig.         |
| Deynard, Adelbert B., M.D.....    | 1875....            | Owen Sound.          |
| Dickson, Annie E., M.D.....       | 1886....            | Brantford.           |
| Dickson, Charles R., M.D.....     | 1880....            | Toronto              |
| Dickson, John R., M.D.....        | 1863....            | (Deceased).          |
| Dickson, John R., M.D.....        | 1868....            | (Deceased).          |
| Dingman, William E., M.D.....     | 1875....            | Listowel.            |
| Dingwall, James, B.A.....         | 1861....            | Cornwall.            |
| Dixon, Andrew F., M.D.....        | 1890....            | Sand Hill.           |
| Dixon, John W., M.D.....          | 1890....            | Frankville           |
| Dixon, Mortimer L., M.D....       | 1886....            | Florida, U. S        |
| *Donald, William, D.D.....        | 1861....            | (Deceased).          |
| Donald, William, B.A.....         | 1873....            | Pilot Mountain, Man. |
| Donovan, Edward I., M.D.....      | 1886....            | Langdon, Dak.        |
| Donovan, Mary, B.A.....           | 1892....            | Bedford Mills:       |
| Donovan, Patrick C., M.D.....     | 1879....            | Gretna, Man.         |
| Douglas, James, B.A.....          | 1858....            | Phœnixville, Penn.   |
| Douglas, Robert, B.A., 1851; M.D. | 1855....            | (Deceased).          |
| Douglass, Harry E., M.D.....      | 1892....            | Napanee.             |
| Dow, John Ball, B.A.....          | 1875....            | Whitby.              |
| Downing, James J., B.A.....       | 1881....            | (Deceased).          |
| Downing, Joseph J., B.A.....      | 1892....            | Kingston.            |
| Downing, William H., M.D.....     | 1888....            | Kingston.            |
| Dowsley, David H., M.D.....       | 1875....            | Kingston.            |
| Dowsley, George C., M.D.....      | 1875....            | Owen Sound.          |
| Drummond, Andrew T., B.A., 1860;  |                     |                      |
| LL.B.....                         | 1863....            | Montreal.            |



| Name.  | Date of<br>Graduation. | Address.                                      |
|--|------------------------|---|
| *Drummond, Daniel R., B.A., 1889;<br>M.A. ....                         | 1890....               | Toronto.                                      |
| Drummond, Francis A., B.A. ....  | 1877....               | Winnipeg.                                     |
| Drummond, Peter, M.D. ....   | 1889....               | Grant, Mich.                                  |
| *Drummond, William J., B.A. ....                                       | 1885....               | Nonken, China.                                |
| *Duclos, John E., B.A. ....  | 1884....               | Valleyfield.                                  |
| Duff, John, M.D. ....  | 1889....               | Inverary.                                     |
| Duff, Hew R., M.D. ....  | 1884....               | Newburgh.                                     |
| Dugdale, John J., M.D. ....  | 1867....               | (Deceased).                                   |
| Dumble, Thomas H., M.D. ....   | 1877....               | Gananoque.                                    |
| Dumble, William C., M.D. ....  | 1877 ..                | Tara.   |
| *Dumoulin, John P., M.A. ....  | 1870....               | Toronto.                                      |
| Dunbar, Neil, B.A. ....  | 1854....               | (Deceased).                                   |
| Dunbar, Samuel, M.D. ....  | 1855....               | (Deceased).                                   |
| Dunlop, James D., M.D. ....  | 1887....               | Alpena, Mich.                                 |
| <sup>15</sup> Dunlop, John G., B.A., 1887; M.A. 1891....               |                        | Nagano, Japan.                                |
| Dunlop, Neil, M.D. ....  | 1861 ..                | Sydenham                                      |
| Dunn, Andrew T., M.D. ....   | 1864....               | North Augusta.                                |
| Dupuis, Charles B., B.A. ....  | 1887....               | (Deceased).                                   |
| Dupuis, Eugene L., M.D. ....   | 1890....               | Philadelphia.                                 |
| <sup>8</sup> Dupuis, James M., M.D. ....                               | 1881....               | Philadelphia.                                 |
| Dupuis, Nathan F., B.A., 1866;<br>M.A. ....                            | 1868....               | Kingston<br>(Professor, Queen's University),  |
| Dupuis, Thomas R., M.D. ....   | 1860....               | Kingston.<br>(Professor, Royal College).      |
| Dwyre, Andrew W., M.D. ....  | 1885....               | Westport.                                     |
| *Dyckman, Henry M., B.A. ....  | 1877....               | Pottstown, Penn.                              |
| Dyde, George E., B.A. ....   | 1889....               | Kingston.                                     |
| <sup>1, 4</sup> Dyde, Samuel W., B.A., 1883;<br>M.A., 1884; D.Sc. .... | 1887....               | Kingston.<br>(Professor, Queen's University). |
| *Eakin, Joseph F., B.A. ....   | 1866....               | Dundalk.                                      |
| Earl, William M., M.D. ....  | 1890....               | Bishop's Mills.                               |
| *Edmison, Henry, B.A., 1863; M.A. 1866....                             |                        | Rothsay, O.                                   |
| Echlin, Edmund B., B.A., 1889; M.D. 1891....                           |                        | Copetown.                                     |
| Elliott, Arthur R., M.D. ....  | 1889....               | Chicago                                       |
| Elliot, Edwin, B.A. ....   | 1886....               | Kingston.                                     |
| Elliot, John, B.A. ....  | 1889....               | Walkerton.                                    |
| Elliot, Thomas A., B.A. ....   | 1879....               | Brockville.                                   |
| Elmer, William W., M.D. ....   | 1858....               | Spokane Falls, Wash.                          |
| Elwell, W. D., M.D. ....   | 1863....               | (Deceased).                                   |
| Embury, Elizabeth, M.D. ....   | 1888....               | Selby.  |
| Emery, George F., M.D. ....  | 1889....               | Gananoque.                                    |

| Name.   | Date of<br>Graduation. | Address.   |
|---|------------------------|--|
| Emery, Horatio J., M.D. ....                              | 1884....               | Crosswell, Mich.   |
| Empey, Charles T, M.D. ....                               | 1880....               | Cross Hills, Eng.  |
| Empey, William A., M.D. ....                              | 1891....               | Winchester.  |
| Erly, Francis W. J., M.D. ....                            | 1868....               | (Deceased).  |
| Errett, Alfred I., M.D. ....                              | 1887....               | (Deceased).  |
| Etherington, Edward J., B.A. ....                         | 1891....               | Perth.   |
| Evans, Henry, M.D. ....                                   | 1858....               | (Deceased).  |
| Evans, Henry A., M.D. ....                                | 1878....               | Picton.  |
| *Evans, Joseph, B.A., 1855; M.A. ....                     | 1857....               | Plainview, N. Car.   |
| Fairbairn, Archibald C., M.D. ....                        | 1871....               | Minneapolis  |
| Fairfield, Charles A D., B.A. ....                        | 1887....               | St Catharines.   |
| Falconer, John P., B.A. ....                              | 1889....               | Sydney, C. B.  |
| Farrell, Alexander G., B.A. ....                          | 1885....               | Smith's Falls.   |
| Farrell, James M., B.A. ....                              | 1889....               | Smith's Falls.   |
| Farrell, T. Harry, B.A., 1889; M.A. ....                  | 1890....               | Warton   |
| Farrell, J. T., M.D. ....                                 | 1861....               | (Deceased).  |
| Fee, Samuel H., M.D. ....                                 | 1862....               | Kingston.  |
| Feek, Robert G., B.A. ....                                | 1882....               | Grenville, Que.  |
| <sup>11</sup> Fenwick, Arthur M., M.A. ....               | 1890....               | Broadview  |
| Fenwick, Kenneth N., B.A., 1871;<br>M.A., 1874; M.D. .... | 1874....               | Kingston.<br>( <i>Professor, Royal and Women's Medical Colleges</i> ). |
| Fenwick, Thomas M., M.D. ....                             | 1864....               | Kingston.<br>( <i>President, Women's Medical College</i> ).            |
| Ferguson, Allan G., M.D. ....                             | 1887....               | Bathurst.  |
| Ferguson, Archibald, B.A. ....                            | 1883....               | Winnipeg   |
| Ferguson, Charles F., M.D. ....                           | 1859....               | Kemptville.  |
| Ferguson, Edward G., M.D. ....                            | 1863....               | Macon, Georgia.  |
| *Ferguson, George D., B.A. ....                           | 1851....               | Kingston.<br>( <i>Professor, Queen's University</i> ).                 |
| Ferguson, James F., B.A. ....                             | 1862....               | Napanee.   |
| *Ferguson, John, B.A., 1876; M.A.,<br>1878; B.D. ....     | 1879....               | (Deceased).  |
| <sup>5</sup> Ferguson, Robert, B.A. ....                  | 1882....               | London   |
| Ferguson, Robert B., M.D. ....                            | 1863....               | Winnipeg   |
| Ferguson, Thomas B., B.A. ....                            | 1863....               | Cincinnati, Ill.   |
| Ferguson, William B., B.A. ....                           | 1861....               | Napanee.   |
| File, Albert J., M.D. ....                                | 1869....               | Ameliasburg.   |
| <sup>3</sup> Findlay, John, B.A., 1887; M.A. ....         | 1888....               | Leipzig, Germany.  |
| <sup>2</sup> Finlay, William A., B.A. ....                | 1888....               | Quebec   |
| Fisher, Albert J., M.D. ....                              | 1887....               | Warton.  |
| <sup>1</sup> Fitzgerald, Eliza S., B.A. ....              | 1884....               | Lindsay.   |
| <sup>17</sup> Fitzpatrick, Alfred, B.A. ....              | 1889....               | Picton, N.S.   |
| *Flemming, David, B.A. ....                               | 1887....               | Athens, Ont.   |



| Name.                                      | Date of Graduation. | Address.            |
|--|---------------------|---------------------|
| Foley, Declan E., M.D.....                 | 1886....            | Wolfe Island.       |
| Foley, Ignatius J., M.D.....               | 1891....            | Westport.           |
| <sup>10</sup> Folger, Howard S., B.A. .... | 1887....            | New York.           |
| Folger, Matthew H., B.A.....               | 1885....            | Mew York.           |
| Ford, Henry B., M.D.....                   | 1885....            | Moorwood.           |
| Ford, Herbert D., M.D.....                 | 1874....            | Chicago.            |
| *Forest, John, D.D.....                    | 1886....            | Halifax.            |
| <i>(Principal, Dalhousie College)).</i>    |                     |                     |
| Forin, Alexander, M.D.....                 | 1884....            | Brighton.           |
| Forrester, Edgar, B.A., 1882; M.D.         | 1884....            | Brockville.         |
| Foster, Robert J., M.D.....                | 1859....            | (Deceased).         |
| Fowkes, John T., M.D.....                  | 1891....            | Winchester Springs. |
| Fowler, Annie L., B.A.....                 | 1884....            | Kingston.           |
| Fowler, Fife, M.D.....                     | 1863....            | Kingston            |
| <i>(President, Royal College).</i>         |                     |                     |
| <sup>5</sup> Fowler, Henry C., B.A.....    | 1881....            | Toronto.            |
| Fowler, Jennie, B.A.....                   | 1890....            | Shanghai, China.    |
| *Fowler, William J., B.D.....              | 1888....            | Escuminac, Que.     |
| Fox, Edward C., M.D.....                   | 1864....            |                     |
| Foxton, Edward, M.D.....                   | 1884....            | Toronto.            |
| Foxton, Joseph, B.A.....                   | 1886....            | Kingston.           |
| Fraleck, Edison B., B.A.....               | 1863....            | Belleville.         |
| Franklin, Benjamin W., M.D.....            | 1856....            | Port Burwell.       |
| Fraser, Anson S., M.D.....                 | 1869....            | Sarnia.             |
| Fraser, Alexander G., B.A.....             | 1852....            | (Deceased).         |
| Fraser, Archibald, B.A.....                | 1848....            | (Deceased).         |
| *Fraser, Donald, B.A., 1864; M.A.          | 1866....            | (Deceased).         |
| Fraser, George L. B., B.A.....             | 1870....            | Ottawa.             |
| *Fraser, James, B.A.....                   | 1865....            | Cushing, Que.       |
| Fraser, John (M.A.), LL.D.....             | 1887....            | Maitland, Aus.      |
| Fraser, John B., M.D.....                  | 1888....            | Spencerville.       |
| *Fraser, John F., B.A.....                 | 1869....            | Manotick.           |
| Fraser, John M., B.A., 1857; M.D.          | 1861....            | (Deceased).         |
| Fraser, Joshua, B.A.....                   | 1858....            | (Deceased).         |
| Fraser, Robert N., M.D.....                | 1884....            | Thamesville.        |
| Fraser, Wilhelmine G., M.D.....            | 1890....            | India.              |
| <i>(Medical Missionary).</i>               |                     |                     |
| *Fraser, William, D.D.....                 | 1878....            | Barrie              |
| Frechette, Louis H., LL.D.....             | 1881....            | Montreal.           |
| Freeland, Anthony, M.D.....                | 1889....            | Quebec.             |
| Freeman, Albert E., M.D.....               | 1887....            | Inverary.           |
| Froiland, Herbert M., B.A., 1882;          |                     |                     |
| M.D.....                                   | 1883....            | Toronto.            |
| Fuller, William H., B.A., 1867; M.A.       | 1873....            | (Deceased).         |

| Name.  | Date of<br>Graduation. | Address.                                 |
|--|------------------------|--|
| Funnell, Ada A., M.D.                                | 1887                   | Hamilton.                                |
| Funnell, Rozelle V., M.D.                            | 1890                   | Kingston.                                |
| Galbraith, John E., M.D.                             | 1880                   | (Deceased).                              |
| Gallagher, Morton, M.D.                              | 1887                   | Campbellford.                            |
| *Gallagher, John, B.A.                               | 1878                   | Pittsferry.                              |
| Galligan, Thomas D., M.D.                            | 1886                   | Brudenell.                               |
| 4, 5 *Gandier, Alfred, B.A., 1884;<br>M.A.           | 1887                   | Brampton.                                |
| Gandier, Augustine, M.D.                             | 1890                   | Merrickville.                            |
| Gardiner, Robert J., M.D.                            | 1891                   | Seeley's Bay.                            |
| Gardiner, Sidney H., B.A., 1887;<br>M.D., 1889; M.A. | 1890                   | Brooklyn, N.Y.                           |
| Garrett, Richard W., M.D.                            | 1882                   | Kingston.<br>(Professor, Royal College). |
| *Geddie, John, D.D.                                  | 1866                   | (Deceased).                              |
| *Geikie, A. Constable, LL.D.                         | 1884                   | Bathurst, N.S. Wales                     |
| *Geikie, John C., D.D.                               | 1871                   | Barnstable, England.                     |
| Genge, William W., M.D.                              | 1891                   | Wolfe Island.                            |
| Gerin, John, M.D.                                    | 1872                   | Auburn, N.Y.                             |
| Gibson, Albert E., M.D.                              | 1887                   | Oakland, Iowa.                           |
| Gibson, Andrew M., M.D.                              | 1874                   | (Deceased).                              |
| Gibson, J. Copland, M.A.                             | 1892                   | Kingston.                                |
| Gibson, James C., M.D.                               | 1892                   | Atwood.                                  |
| Gibson, James F., M.D.                               | 1891                   | Kingston.                                |
| Gibson, William J., B.A., 1874;<br>M.D., 1881; M.A.  | 1882                   | Belleville                               |
| Gildersleeve, James P., LL.B.                        | 1863                   | Kingston.                                |
| Giles, John G., M.D.                                 | 1860                   | Brockville.                              |
| *Gill, Henry, D.D.                                   | 1865                   | England.                                 |
| Gillies, George, B.A.                                | 1874                   | Gananoque.                               |
| Gillies, Neil, M.D.                                  | 1871                   | Winnipeg.                                |
| Gillies, William F., B.A.                            | 1891                   | (Deceased).                              |
| Gillis, Angus B., M.D.                               | 1888                   | Bass River, N.S.                         |
| <sup>3</sup> *Givan, Arpad, B.A.                     | 1883                   | Williamstown.                            |
| <sup>12</sup> Givens, David A., B.A.                 | 1878                   | Los Angeles, Cal.                        |
| Givens, Hannah A., B.A.                              | 1887                   | Kingston.                                |
| Givens, William R., B.A.                             | 1888                   | Toronto.                                 |
| Gleeson, James H., M.D.                              | 1864                   | (Deceased).                              |
| *Glassford, Thomas S., B.A.                          | 1875                   | Lethbridge, B.C.                         |
| Goold, Arthur J., B.A.                               | 1883                   |  |
| *Gordon, James, B.A., 1851; M.A.                     | 1854                   | London.                                  |
| Gordon, John G., B.A.                                | 1861                   |  |
| *Gow, Robert, B.A.                                   | 1883                   | Shoal Lake, Man.                         |
| Gowan, James R., LL.D.                               | 1884                   | Barrie.                                  |
| Graham, Archibald, B.A.                              | 1892                   | Winchester Springs.                      |

| Name.  | Date of<br>Graduation. | Address.                                    |
|--|------------------------|---|
| Graham, Hedley C. W., M.D.....                                       | 1889....               | Portsmouth.                                 |
| *Grant, Hugh R., B.A.....  | 1883....               | Trenton, N.S.                               |
| Grant, James A., B.A. (M.D.). . .                                    | 1878....               | Ottawa.                                     |
| Grant, Norman M., B.A., 1886; M.D.                                   | 1889....               | New Zealand.                                |
| *Grant, Peter, D.D.....  | 1868 . . .             | Dundee, Scotland.                           |
| *Grant, William, D.D.....  | 1883....               | Shoalhaven, N.S.W.                          |
| Grasse, Sidney D., M.D.....  | 1864....               | (Deceased).                                 |
| *Gray, John (D.D.), B.A., 1873;<br>M.A.....                          | 1874....               | Orillia.                                    |
| Gray, William A., M.D.....   | 1890....               | Pembroke.                                   |
| Green, Samuel D., M.D.....   | 1891....               | Marquette, Mich.                            |
| Griffin, E. Scott, B.A.....  | 1884 . . .             | Toronto.                                    |
| Gunsolus, Kenneth, M.D.....  | 1871....               |   |
| Hackett, Joseph, M.D.....  | 1858....               | (Deceased).                                 |
| Haig, Andrew, B.A., 1888; M.A.,<br>1889; M.D. . . . .                | 1891....               | Menie.                                      |
| Hales, James, B.A.....   | 1888....               | Toronto.                                    |
| Halliday, Henry, B.A.....  | 1884 . . .             | Pembroke.                                   |
| Hamilton, Andrew, B.A. . . . .                                       | 1855....               | (Deceased).                                 |
| <sup>5</sup> <sup>21</sup> Hamilton, Charles F., M.A.....            | 1890....               | Toronto.                                    |
| Hamilton, David, M.D.....  | 1862....               | Batavia, N. Y.                              |
| Hamilton, John A., B.A., 1877; M.D.                                  | 1886....               | Singhampton.                                |
| Hanna, James E., M.D.....  | 1886....               | Ottawa.                                     |
| Harding, William E., M.D.....  | 1888....               | Brockville.                                 |
| Hare, William G., M.D.....   | 1892 . . .             | Iroquois.                                   |
| Harkness, Fred. B., M.D.....   | 1889....               | Ottawa.                                     |
| Harkness, Thomas F., B.A.....  | 1862....               | (Deceased).                                 |
| Harper, John M., B.A.....  | 1882....               | Quebec.                                     |
| Harrison, Edgar D., M.D.....   | 1891....               | Madoc.                                      |
| Harrison, T. S., M.D.....  | 1865....               | Selkirk.                                    |
| Hart, John F., M.D.....  | 1887....               | Prescott.                                   |
| Hart, Michael W., M.D.....   | 1887....               | Prescott.                                   |
| *Hart, Thomas, B.A., 1860; M.A.,<br>1868; B.D.....                   | 1880....               | Winnipeg.<br>(Professor, Manitoba College). |
| Hartwell, George E., B.A.....  | 1888....               | China.                                      |
| Harvie, William D., M.D.....   | 1889....               | Hillsboro, Dak.                             |
| Harvey, Albert E., M.D.....  | 1869....               | Wyoming.                                    |
| <sup>7</sup> Hay, Arthur G., B.A., 1889; M.A.                        | 1890....               | Carberry.                                   |
| <sup>4</sup> <sup>7</sup> <sup>13</sup> *Hay, John, B.A., 1882; B.D. | 1885....               | Cobourg.                                    |
| Hay, William, B.A., 1883; M.D. . .                                   | 1887....               | Antwerp, N. Y.                              |
| Hayes, William J., B.A. . . . .                                      | 1890....               | (Deceased).                                 |
| Hayunga, George, M.D.....  | 1890....               | New York.                                   |
| <sup>1</sup> Heap, Frederick, M.A.....                               | 1890....               | Peterboro.                                  |

| Name.  | Date of<br>Graduation. | Address.            |
|--|------------------------|---------------------|
| Heath, Frederick C., B.A., 1878;<br>M.D.....                     | 1886....               | Brantford.          |
| Heenan, Daniel, B.A. ....  | 1849....               | (Deceased).         |
| Heggie, David, M.D.....  | 1865....               | Brampton.           |
| Henderson, Donald, M.D.....                                      | 1858....               | Winnipeg.           |
| Henderson, E. Mabel, M.D.....                                    | 1892....               | Brockville.         |
| <sup>21</sup> Henderson, George F., B.A.....                     | 1884....               | Ottawa.             |
| Henderson, Johnson, B.A.....                                     | 1885....               | Wallbridge.         |
| Henderson, Kenneth, M.D.....                                     | 1888....               | Clyde River, P.E.I. |
| Henderson, William, M.D.....                                     | 1859....               | (Deceased).         |
| *Henderson, William, D.D.....                                    | 1862....               | (Deceased).         |
| Henderson, William H., M.D. ....                                 | 1879....               | Kingston.           |
| <i>(Professor, Royal College).</i>                               |                        |                     |
| Hendry, George, M.D.....   | 1869....               | (Deceased).         |
| Herald, Dundas, M.D.....   | 1891. .                | Longley, B. C.      |
| <sup>24</sup> Herald, John, B.A., 1876; M.A.,<br>1880; M.D. .... | 1884....               | Kingston.           |
| <i>(Professor, Royal College).</i>                               |                        |                     |
| Herald, R. T. Wilson, M.D.....                                   | 1890....               | Vancouver, B. C.    |
| Herriman, Weston Leroy, M.D....                                  | 1855....               | Lindsay.            |
| Herrington, Anthony W., M.D....                                  | 1881....               | (Deceased).         |
| Heslop, John E., M.D.....  | 1887....               | Thompson, Mich.     |
| Hickey, Daniel C., M.D.....                                      | 1883....               |                     |
| Higgins, Edward M., M.D.....                                     | 1877....               | Hot Springs, Ark.   |
| Higginbotham, William, M.D.. .                                   | 1871....               | Omeme.              |
| Hilker, Adam E., M.D.....  | 1889....               | Port Elgin.         |
| Hillier, Solomon C., M.D.....                                    | 1869....               | Bowmanville.        |
| Hillier, William, M.D.....                                       | 1855....               | (Deceased).         |
| Hoare, Walter W., M.D.....                                       | 1864....               | Strathroy.          |
| Hodge, George, M.D.....  | 1870....               | Mitchell.           |
| Hodges, James, B.A.....  | 1892....               | Forrester's Falls.  |
| *Hogg, John, D.D.....  | 1871....               | (Deceased).         |
| Holdcroft, Joseph, M.D.....                                      | 1889....               | Inverness, Que.     |
| Holdcroft, W. T., B.A., 1888; M.D.                               | 1890....               | Deseronto.          |
| Holmes, F. S. Leroy, M.D.....                                    | 1877....               | Merrickville.       |
| *Hooper, Ebenezer, M.D.....                                      | 1885....               | Kingston.           |
| Hooper, Edmund J., B.A., 1858;<br>M.A.....                       | 1861....               | (Deceased).         |
| Hooper, Josephine A., B.A.....                                   | 1885....               | Kingston.           |
| Hope, James A., B.A., 1862; M.A.                                 | 1864....               | (Deceased).         |
| Horsey, Alfred, M.D.....   | 1865....               | Ottawa.             |
| Horsey, Edward H., M.D.....                                      | 1860....               | (Deceased).         |
| Horsey, Edward H., M.D.....                                      | 1888....               | Owen Sound.         |
| <sup>3</sup> *Horsey, Herbert E., B.A., 1886;<br>M.A.....        | 1887....               | Abbotsford, Que.    |

| Name.  | Date of<br>Graduation. | Address.             |
|--|------------------------|----------------------|
| Horton, Robert N., M.D.....                          | 1879....               | Brockville.          |
| Hossie, Thomas R., M.D.....                          | 1879....               | Gouverneur, N. Y.    |
| Hourigan, Andrew B., M.D.....                        | 1877....               | Peterboro'.          |
| Houston, William R., M.D.....                        | 1871....               | Chatham, O.          |
| Howell, George W., M.D.....                          | 1867....               | Tweed, O.            |
| Howells, Thomas B., M.D.....                         | 1863....               | (Deceased).          |
| Hubbs, Henry A. M., M.D.....                         | 1877....               | Bay City, Mich.      |
| Hugo, Frank M., B.A.....                             | 1892....               | Kingston.            |
| <sup>3, 8</sup> Hume, John P., B.A.....              | 1881....               | Campbellford.        |
| *Hunter, Alexander, B.A.....                         | 1861....               | (Deceased).          |
| Hunter, Hugh A., B.A.....                            | 1892....               | Smith's Falls.       |
| <sup>5</sup> Hunter, James McF., M.A.....            | 1883....               | Barrie.              |
| Hunter, Robert F., B.A.....                          | 1892....               | Smith's Falls.       |
| Hunter, Robert J., B.A.....                          | 1888....               | Ridgetown.           |
| <sup>17</sup> Hutchceon, Robert J., M.A.....         | 1892....               | Burnbrae.            |
| Hutcheson, James, B.A.....                           | 1881....               | Brockville.          |
| Hutchison, John, M.D.....                            | 1886....               | Meaford.             |
| Ingersoll, Isaac F., M.D.....                        | 1863....               | Picton.              |
| Ireland, Charles F., B.A.....                        | 1866....               | Winnipeg.            |
| <sup>1</sup> Ireland, Francis A. W., M.A.....        | 1891....               | Chatham, Ont.        |
| Irvine, William H., B.A.....                         | 1877....               | Kingston.            |
| Irving, Lennox, B.A.....                             | 1886....               | Pembroke.            |
| Irwin, Chamberlen A., M.D.....                       | 1863....               | (Deceased).          |
| Jack, George G., M.D.....                            | 1886....               |                      |
| James, Charles, M.D.....                             | 1888....               | Sylvan               |
| James, Michael, M.D.....                             | 1887....               | Brudenell.           |
| Jamieson, Alexander, B.A.....                        | 1863....               | (Deceased).          |
| Jamieson, Alison, M.D.....                           | 1892....               | Wicklow.             |
| Jamieson, Archibald, M.D.....                        | 1886....               |                      |
| Jamieson, David, M.D.....                            | 1888....               | Kars.                |
| Jamieson, John, M.D.....                             | 1881....               | (Deceased).          |
| Jamieson, Thomas J., M.D.....                        | 1888....               | Mountain.            |
| *Jardine, Robert, B.A., 1863; M.A.<br>1866; B.D..... | 1886....               | Prince Albert, Sask. |
| Jarvis, Charles E., M.D.....                         | 1882....               | London.              |
| *Jenkins, Ebenezer E., LL.D.....                     | 1889....               | London, England.     |
| Jewett, Albert E., B.A.....                          | 1890....               | Campbellford.        |
| *Johnson, Frederick W., B.A.....                     | 1886....               | Philadelphia.        |
| Johnson, William, B.A., 1849;<br>M.A.....            | 1852....               | McLeod, N.W.T.       |
| Johnston, Absalom H. J., M.D...                      | 1862....               | Brockville.          |
| Johnston, David A., M.D.....                         | 1881....               | (Deceased).          |
| Johnston, Joshua R., B.A.....                        | 1882....               | Carleton Place.      |
| Johnston, William J., M.D.....                       | 1891....               | Almonte.             |
| Johnstone, David, M.D.....                           | 1868....               | Kincardine.          |

| Name.  | Date of Graduation. | Address.                                      |
|--|---------------------|---|
| Johnstone, William H., M.D.                                    | 1889                | Tacoma, Wash. Ter.                            |
| Jones, Henry M., M.D.  | 1866                | Marmora.                                      |
| Jones, John, M.D.  | 1874                | Kemptville.                                   |
| Joy, Sylvanus, M.D.  | 1857                | Tilsonburg.                                   |
| Judson, George W., M.D.  | 1879                | Lyn.  |
| Kahkewaquonaby, M.D.   | 1866                | Hagersville.                                  |
| Kalbfleish, Frederick H., M.D.                                 | 1888                | Neustadt.                                     |
| Kay, William, M.A.   | 1855                | (Deceased).                                   |
| Kellock, David, M.D.   | 1890                | Fullerville Mines, N.Y.                       |
| Kellock, John D., M.D.   | 1862                | Perth.  |
| Kellock, John McC., M.A.                                       | 1892                | Spencerville.                                 |
| Kelly, David, M.D.   | 1861                | (Deceased).                                   |
| Kelly, Edward J., M.D.   | 1861                | Ottawa.                                       |
| Kelly, John J., B.A., 1888; M.D.                               | 1892                | Bell's Corners.                               |
| *Kelly, T. Webster, B.A.                                       | 1886                | Caistorville.                                 |
| *Kemp, Alexander F., LL.D.                                     | 1871                | (Deceased).                                   |
| Kemp, James A., M.D.   | 1861                | (Deceased).                                   |
| Kennedy, Alexander, M.D.                                       | 1876                | Port Arthur.                                  |
| Kennedy, Jacob B., M.D.  | 1873                |   |
| Kennedy, John D., B.A.   | 1885                | Pembroke                                      |
| Kennedy, John T., M.D.   | 1891                | Fort McKavett, Tex.                           |
| Kennedy, Roderick, M.D.  | 1863                | Bath.   |
| Kennedy, William B., M.D.                                      | 1878                | Chatenham.                                    |
| Kertland Edwin H., M.D.  | 1865                | Toronto.                                      |
| <sup>24</sup> Kidd, John F., M.D.                              | 1883                | Ottawa.                                       |
| Kidd, Edward, M.D.   | 1871                | Picton.                                       |
| Kidd, Peter E., M.D.   | 1878                | Midland City.                                 |
| Kidd, William E., M.D.   | 1891                | Kingston.                                     |
| Kidd, William J., B.A.   | 1887                | Ottawa.                                       |
| <sup>8</sup> Kilborn, Omar L., B.A., 1888;<br>M.A., 1889; M.D. | 1889                | Shanghai, China.                              |
| Kilborn, Roland, M.D.  | 1879                | Kingston.                                     |
| Kincaid, Robert, M.D.  | 1863                | Olympia, Oregon.                              |
| King, Francis, B.A., 1889; M.A.                                | 1890                | Toronto.                                      |
| Kingsford, William, C.E., LL.D.                                | 1889                | Ottawa.                                       |
| Kirk, Fred. James, B.A., 1888;<br>M.D.                         | 1892                | Kingston.                                     |
| Kirkpatrick, Francis G., B.A.                                  | 1891                | Kingston.                                     |
| <sup>12</sup> Knight, Archibald P., B.A., 1872;<br>M.A.        | 1874                | Kingston.<br>(Professor, Queen's University). |
| Knight, John H., M.D.  | 1880                | Wallaceburg.                                  |
| *Knowles, Robert E., B.A.                                      | 1892                | Ottawa.                                       |
| Knox, Henry, M.D.  | 1882                | Shawville, Que.                               |
| Koyl, Frederick T., M.D.                                       | 1882                | Ada, Minn.                                    |
| Koyle, Frank H., M.D.  | 1888                | Brockville.                                   |



| Name.                                    | Date of Graduation. | Address.  |
|--|---------------------|---|
| Kyle, William A., M.D.                   | 1885                | Manotic.  |
| Lafferty, James, M.D.                    | 1871                | Calgary, Alberta.   |
| Lafferty, William A., M.D.               | 1879                | (Deceased).   |
| Laidlaw, Alexander R., M.D.              | 1857                | (Deceased).   |
| Lake, Charles B., M.D.                   | 1866                | Ridgetown.  |
| Lambert, Robert, M.D.                    | 1859                | Windsor.  |
| Lamont, John, B.A.                       | 1890                | Toronto.  |
| Lane, Isaac J., M.D.                     | 1886                | Mallorytown.  |
| Lane, Joseph W., M.D.                    | 1875                | Mallorytown.  |
| Lanfear, Henry O., M.D.                  | 1889                | Lakefield.  |
| *Lang, George R., B.A.                   | 1885                | Wolfe Island.   |
| 12*Lang, William A., B.A., 1873;<br>M.A. | 1876                | (Deceased).   |
| Langill, Paul F., B.A.                   | 1881                | Vernon, B. C.   |
| Lavell, Alfred E., B.A.                  | 1892                | Portsmouth.   |
| Lavell, Charles H., M.D.                 | 1873                | (Deceased).   |
| Lavell, Harry A., B.A.                   | 1888                | Kingston.   |
| 12Lavell, John R., B.A.                  | 1877                | Smith's Falls.  |
| Lavell, Michael, M.D.                    | 1863                | Kingston.<br>( <i>Emeritus Professor, Royal College</i> ).  |
| Lavell, William A., M.D.                 | 1881                | (Deceased).   |
| Lavers, Frank C., M.D.                   | 1891                | New Ross, N. Y.   |
| Lawlor, Michael, M.D.                    | 1857                | (Deceased).   |
| Lawyer, Annie, M.D.                      | 1888                | Ottawa.   |
| Leask, Harry, B.A.                       | 1888                | Orillia.  |
| Leavitt, Arvin S., M.D.                  | 1869                | Toronto.  |
| Leitch, James A., B.A.                   | 1892                | Renfrew.  |
| 14Lees, Richard, M.A.                    | 1891                | Brampton.   |
| Lennox, David, B.A.                      | 1861                |   |
| Lent, Edwin J., M.D.                     | 1892                | Picton.   |
| Leonard, Raymond A., M.D.                | 1879                | Napanee.  |
| Lett, Ralph M., B.A.                     | 1889                | St. Thomas.   |
| *Lewis, Lewis, B.A.                      | 1881                | Derby, Eng.   |
| Lewis, Frederick W., M.D.                | 1878                | Orangeville.  |
| *Lindsay, John, B.A., 1852; M.A.         | 1854                | (Deceased).   |
| *Lindsay, Peter, B.A.                    | 1851                | Toronto.  |
| 4 *Linton, Adam R., B.A., 1881;<br>B.D.  | 1885                | Orono.  |
| Litchfield, John P., M.D.                | 1863                | (Deceased).   |
| Little, William C., M.D.                 | 1889                | Dunboola, Australia.  |
| *Livingston, John, B.A.                  | 1857                | (Deceased).   |
| Livingstone, John S., M.D.               | 1888                | Nebraska.   |
| *Livingstone, Peter S., B.A.             | 1870                | (Deceased).   |
| Livingstone, Marion, M.D.                | 1887                | Kingston.<br>( <i>Professor, Women's Medical College</i> ). |



| Name.                                 | Date of Graduation. | Address.               |
|---------------------------------------|---------------------|------------------------|
| *Lochead, John S., B.A., 1861; M.A.   | 1863...             | Parkhill.              |
| Lochead, Lachlin T., B.A.             | 1888....            | Hamilton.              |
| Lockhart, Alfred J., M.D.             | 1892....            | Kingston.              |
| Lockhart, George D., M.D.             | 1890....            | Mount Brydges.         |
| Lockhart, Thomas J., B.A.             | 1892....            | Sydenham.              |
| 1, 18Logie, William A., B.A., 1887;   |                     |                        |
| M.A., 1888; LL.B.                     | 1892....            | Hamilton.              |
| Lorne, Most Noble the Marquis of,     |                     |                        |
| LL.D.                                 | 1879....            | Inverary Castle, Scot. |
| *Love, Andrew T., B.A.                | 1878....            | Quebec.                |
| Lunam, Henry, B.A.                    | 1877....            | Campbellton, N. B.     |
| Lynch, Dennis P., M.D.                | 1878....            | Almonte.               |
| Lyon, Horatio V., B.A.                | 1885....            | Kingston.              |
| Mabee, Curtis O., M.D.                | 1888....            | Odessa.                |
| Mabee, James E., M.D.                 | 1887....            | Odessa.                |
| Machar, John M., B.A.                 | 1857....            | Kingston.              |
| Madden, John H., B.A.                 | 1889....            | Toronto.               |
| Mahood, Perry, B.A.                   | 1889....            | Kingston.              |
| Mair, Alexander, B.A.                 | 1851....            | Markham.               |
| Malloch, Archibald E., B.A. (M.D.)    | 1862....            | Hamilton.              |
| Malloch, Edward G., B.A.              | 1860....            | Perth                  |
| Malloch, George, B.A.                 | 1865....            | Arnprior.              |
| Malloch, George W., B.A.              | 1850....            | Paisley, Ont.          |
| Mallory, Charlie N., M.D.             | 1860....            | Escott.                |
| *Mann, Alexander, D.D.                | 1876....            | (Deceased).            |
| Mann, James, M.D.                     | 1869....            | Renfrew.               |
| Mark, Robert, M.D.                    | 1867....            | Ottawa.                |
| Marquis, Thomas G., B.A.              | 1889....            | Stratford.             |
| 4, 13Marshall, John, B.A., 1886; M.A. | 1889....            | Kingston.              |
| Mason, James W., B.A.                 | 1878....            | (Deceased).            |
| Massie, John, M.D.                    | 1865....            | (Deceased).            |
| Masson, Thomas, M.D.                  | 1875....            | Cape Vincent.          |
| Mather, William M., M.D.              | 1886....            | Tweed.                 |
| Matheson, Murdoch, M.D.               | 1870....            | Waverly, N.S.W.        |
| Mattice, William D., B.A.             | 1847....            | (Deceased).            |
| Mavety, Alex. C., M.D.                | 1889....            | Kingston.              |
| Maxwell, William J., M.D.             | 1888....            | Castle Rock, Col.      |
| May, John, B.A., 1857; M.A.           | 1861....            | Winnipeg.              |
| Maybe, Millard, M.D.                  | 1887....            | Riverside, Cal.        |
| Meacham, George P., M.D.              | 1891....            | Elginburg.             |
| Meadows, R. W., M.D.                  | 1862....            | H. M. Service.         |
| Meagher, Daniel, M.D.                 | 1867....            | Montreal.              |
| *Meikle, William, B.A.                | 1881....            |                        |
| Mellow, Samuel S., M.D.               | 1886....            | Bath.                  |
| Melville, Edmond J., M.D.             | 1892....            | Howe Island.           |
| Mercer, John G., M.D.                 | 1855....            | (Deceased).            |

| Name.   | Date of<br>Graduation. | Address.            |
|---|------------------------|---------------------|
| <sup>4</sup> Miller, John, B.A., 1890; M.A....            | 1891....               | Revelstoke.         |
| Miller, John, B.A.....                                    | 1886....               | Toronto.            |
| Miller, John C. S., M.D.....                              | 1890....               | Seattle, Wash. Ter. |
| Miller, Lindsay, F., M.D.....                             | 1877....               | Toronto.            |
| Miller, Thomas, B.A.....                                  | 1852....               | (Deceased).         |
| Miller, Thomas, B.A., M.D.....                            | 1854....               | Hamilton.           |
| *Milligan, George, B.A.....                               | 1862....               | Toronto.            |
| Milliner, William S., M.D.....                            | 1864....               | Oswego, N.Y.        |
| Mills, John H., B.A., 1889; M.A....                       | 1890....               | Hawkesbury.         |
| *Mills, William G., B.A.....                              | 1885....               | Sapperton, B. C.    |
| *Milne, James W. H., B.A.....                             | 1887....               | Mansewood.          |
| <sup>3</sup> Minnes, Robt. S., B.A., 1889; M.A.           | 1890....               | Kingston.           |
| Minor, Silas, M.A.....                                    | 1865....               | (Deceased).         |
| Mitchell, Charles F., M.D.....                            | 1890....               | South Bend, Ind.    |
| Mitchell, Elizabeth S., M.D....                           | 1888....               | Montreal.           |
| <sup>2</sup> Mitchell, George W., B.A., 1885;<br>M.A..... | 1891....               | Cobourg             |
| Mitchell, Harry F., M.D.....                              | 1889....               | Lakeville, Ind.     |
| Moore, Andrew, M.D.....                                   | 1863....               | (Deceased).         |
| *Moore, John, B.A.....                                    | 1881....               | Burnbrae.           |
| Moore, John, M.D.....                                     | 1891....               | Plainfield.         |
| Moore, Thomas A., M.D.....                                | 1883....               | Westville, N. S.    |
| Moore, Vincent H., M.D.....                               | 1870....               | Brockville.         |
| Morden, Gilbert W., B.A.....                              | 1888....               | Napanee.            |
| Morden, James B., M.D.....                                | 1865....               | Picton.             |
| Morden, John H., M.D.....                                 | 1859....               | (Deceased).         |
| Morden, Wilson S., B.A.....                               | 1888....               | Belleville.         |
| Mordy, Alfred A., M.D....                                 | 1882....               | Ashton.             |
| *Mordy, John, B.A., 1875; M.A....                         | 1878....               |                     |
| Morgan, Edward M., M.D.....                               | 1890....               | Renfrew.            |
| Morris, Alexander C., B.A.....                            | 1882....               | Toronto             |
| Morris, William, B.A.....                                 | 1882....               | Toronto.            |
| *Morrison, Duncan, B.A., 1866;<br>M.A.....                | 1868....               | Owen Sound.         |
| Morrison, Duncan, B.A.....                                | 1862....               | Owen Sound.         |
| Mostyn, William, M.D.....                                 | 1858....               | (Deceased).         |
| Mowat, Herbert M., B.A., 1881;<br>LL.B.....               | 1886....               | Toronto.            |
| *Mowat, John B., B.A., 1845; M.A.                         | 1847....               | Kingston.           |
| <i>(Professor, Queen's University).</i>                   |                        |                     |
| Mowat, Oliver, LL.D.....                                  | 1872....               | Toronto.            |
| Muckleston, John S., B.A.....                             | 1865....               | Kingston.           |
| Mudie, John, B.A.....                                     | 1863....               | Kingston.           |
| Muir, James, B.A.....                                     | 1861....               | Victoria, B. C.     |
| *Muir, James B., B.A., 1865; M.A.                         | 1869....               | Huntingdon, Q.      |

| Name.   | Date of Graduation. | Address.             |
|---|---------------------|----------------------|
| *Muir, James C., D.D.....                               | 1858....            | (Deceased).          |
| *Muir, Peter D., B.A.....                               | 1856....            | (Deceased).          |
| Muirhead, John W., B.A.....                             | 1891....            | Brockville.          |
| Mullan, Nathaniel S., B.A.....                          | 1885....            | New York.            |
| Mundell, David E., B.A., 1883; M.D.1886....             |                     | Kingston.            |
| <i>(Professor, Royal and Women's Medical Colleges).</i> |                     |                      |
| Mundell, John, M.D.....                                 | 1886....            | Kingston.            |
| Mundell, William, B.A.....                              | 1875....            | Kingston.            |
| Munro, David, M.D.....                                  | 1867....            | Perth.               |
| Munro, John C., M.D.....                                | 1867....            | South Finch.         |
| Murphy, John B., M.D.....                               | 1876....            | Belleville.          |
| *Murray, Isaac, D.D.....                                | 1876....            | North Sydney, N.S.   |
| *Murray, James, B.A., 1882; B.D.1884....                |                     | Hamilton.            |
| Murray, Janet, M.D.....                                 | 1891....            | Rossmore.            |
| *Murray, Robert C., B.A.....                            | 1882....            | (Deceased).          |
| Macadam, Samuel J., M.D.....                            | 1873....            | Pembroke.            |
| *Macalister, John, B.A.....                             | 1865....            | Iroquois.            |
| Macarthur, James, B.A., 1875; M.D.1878....              |                     | London               |
| Macarthur, Duncan, B.A.....                             | 1878....            | Ailsa Craig.         |
| Macaulay, W. B. T., B.A.....                            | 1892....            | Montreal.            |
| *Macaulay, Evan, B.A.....                               | 1864....            | Crieff.              |
| *Macdonald, Alexander, B.A.....                         | 1861....            | Duntroon.            |
| Macdonald, Alexander R., M.D....                        | 1857....            | Brighton.            |
| *Macdonald, Clinton D., B.A.....                        | 1886....            | Kildonan, Man.       |
| Macdonald, Colin, B.A.....                              | 1855....            | (Deceased).          |
| *Macdonald, Donald, B.A.....                            | 1854....            | (Deceased).          |
| *Macdonald, Duncan, B.A., 1859;                         |                     |                      |
| M.A.....  | 1863....            | Dundee, Que.         |
| Macdonald, Herbert S., B.A., 1859;                      |                     |                      |
| M.A.....  | 1861....            | Brockville.          |
| 4 Macdonald, George, B.A., 1878;                        |                     |                      |
| B.Sc.....   | 1878....            | (Deceased).          |
| Macdonald, Hugh N., M.D.....                            | 1882....            | Port Hawkesb'y, N.S. |
| Macdonald, Sir John A., LL.D....                        | 1863....            | (Deceased).          |
| Macdonald, John A., M.D.....                            | 1862....            | Port Arthur.         |
| Macdonald, Patrick A., B.A.....                         | 1876....            | Winnipeg.            |
| Macdonnell, Æneas, J., B.A.....                         | 1884....            | Morrisburg.          |
| *Macdonnell, Daniel J., (B.D.) B.A.,                    |                     |                      |
| 1858; M.A.....  | 1860....            | Toronto.             |
| Macdonnell, George M., B.A.....                         | 1860....            | Kingston.            |
| Macdonnell, J. A., M.D.....                             | 1862....            |                      |
| Macdonnell, John M., B.A.....                           | 1868....            | (Deceased).          |
| Macfarland, John F., B.A.....                           | 1890....            | South Mountain       |
| Macfarlane, Andrew K.H., B.A....                        | 1888....            | Tacoma, W. T.        |
| Mackie, David H., M.D.....                              | 1884....            | Belleville.          |

| Name.   | Date of Graduation. | Address.              |
|---|---------------------|-----------------------|
| *Mackenzie, Archibald A., B.A.,<br>1877; B.Sc., 1877; M.A.... | 1888....            | Brookfield, P.E.I.    |
| *Mackerras, John H., B.A., 1850;<br>M.A.....                  | 1852....            | (Deceased).           |
| *Maclean, Matthew W., B.A., 1869;<br>M.A.....                 | 1872....            | Belleville.           |
| *MacLennan, Alexander, B.A.....                               | 1857....            | (Deceased).           |
| MacLennan, Donald, B.A., 1848;<br>M.A.....                    | 1862....            |                       |
| MacLennan, Donald B., B.A., 1857;<br>M.A.....                 | 1861....            | Cornwall.             |
| MacLennan, Findlay M., B.A.....                               | 1879....            | (Deceased).           |
| MacLennan, James, B.A., 1849;<br>LL.D.....                    | 1885....            | Toronto.              |
| MacLennan, James J., B.A.....                                 | 1887....            | Toronto.              |
| MacLennan, John, B.A.....                                     | 1855....            | Lindsay.              |
| *MacLennan, Kenneth, B.A., 1849;<br>M.A.....                  | 1868....            | Whitby.               |
| MacLennan, Roderick J., B.A.....                              | 1884....            | Toronto.              |
| *MacLennan, William, B.A., 1864;<br>M.A.....                  | 1866....            | (Deceased).           |
| Macmillan, Duncan, B.A.....                                   | 1857....            | London.               |
| *Macnab, Findlay F., B.A.....                                 | 1859....            | Arnprior.             |
| *Macnaughton, James P., B.A.....                              | 1884....            | Smyrna, Turkey.       |
| Macnee, James H., B.A.....                                    | 1885....            | Toronto.              |
| Macnee, Peter C., B.A.....                                    | 1873....            | Picton.               |
| Macpherson, Alexander, J., M.D....                            | 1862....            | (Deceased).           |
| Macpherson, Henry, B.A.....                                   | 1851....            | (Deceased).           |
| Macpherson, James P., B.A., 1857;<br>M.A.....                 | 1865....            | Ottawa                |
| *Macrae, Donald, D.D.....                                     | 1880....            | St. John, N.B.        |
| *Macarthur, George, B.A.....                                  | 1881....            | Cardinal, O.          |
| McArthur, John A., B.A.....                                   | 1880....            | Davenport, Wash. Ter. |
| *McAulay, Alexander, B.A.....                                 | 1883....            | Woodville.            |
| McBain, Alexander, B.A., 1860;<br>M.A.....                    | 1862....            | (Deceased).           |
| McBean, Alexander, G., B.A.....                               | 1865....            | Montreal.             |
| 7 McCallum, Archibald B., B.A.,<br>1880; M.A.....             | 1881....            | Toronto               |
| McCammon, C. G., M.D.....                                     | 1884....            | Clifton Springs, N.Y. |
| McCammon, Fred. J., B.A., 1889;<br>M.D.....                   | 1892....            | Kingston.             |
| McCammon, James, M.D.....                                     | 1863....            | (Deceased).           |
| McCammon, James A., M.D.....                                  | 1879....            | Gananogue.            |
| McCammon, Samuel H., M.D.....                                 | 1888....            | Kansas City.          |

| Name.  | Date of Graduation. | Address.             |
|--|---------------------|----------------------|
| *McConnell, Donald, B.A.....                             | 1878....            | (Deceased).          |
| McCardel, Edward, J., M.D.....                           | 1886....            |                      |
| *McCaul, James, B.A.....                                 | 1859....            | Manchester, Eng.     |
| <sup>11</sup> McClement, Wm. T., B.A., 1888;<br>M.A..... | 1889....            | Ingersoll.           |
| McColl, Allan E., B.A., 1885; M.D.....                   | 1891....            | Belleville.          |
| *McColl, Evan C. W., B.A.....                            | 1886....            | Middleville.         |
| McConnell, Benjamin J., M.D.....                         | 1881....            | Morden, Man.         |
| McConville, Isobel, M.D.....                             | 1889....            | Kingston.            |
| McCormack, Joseph, B.A.....                              | 1879....            | Williamstown.        |
| McCraken, John I., B.A.....                              | 1874....            | Ottawa.              |
| McCuaig, Herbert M., B.A.....                            | 1884....            | Richmond Hill.       |
| McCuaig, John A. E., M.D.....                            | 1891....            | Welland.             |
| McCulloch, Andrew, B.A., 1871;<br>M.A.....               | 1874....            | Thorold.             |
| McCullough, Thomas P., M.D.....                          | 1888....            | Dundalk.             |
| McCullough, William S., M.D.....                         | 1875....            | (Deceased).          |
| McDonald, Hugh S., B.A.....                              | 1891....            | Kingston.            |
| <sup>2</sup> McDonald, James, M.A.....                   | 1892....            | Glen Donald.         |
| *McDonald, John A., B.A.....                             | 1888....            | Albarni, B. C.       |
| McDowell, Charles, B.A.....                              | 1877....            | Renfrew.             |
| McDowell, James A., B.A.....                             | 1867....            | Sarnia.              |
| *McEwen, James, B.A., 1852; M.A.....                     | 1854....            | Hamilton.            |
| McEwen, Ewen, M.D.....                                   | 1887....            | Franktown.           |
| McEwen, John, B.A.....                                   | 1887....            | Franktown.           |
| McGhie, George S., M.D.....                              | 1883....            | Elgin.               |
| *McGillivray, Alexander, D.D.....                        | 1858....            | (Deceased).          |
| <sup>8</sup> McGillivray, Alice, M.D.....                | 1884....            | Chicago.             |
| *McGillivray, Daniel, B.A.....                           | 1864....            |                      |
| McGillivray, Farquhar, B.A.....                          | 1852....            | Ottawa.              |
| *McGillivray, Malcolm, B.A., 1872;<br>M.A.....           | 1874....            | Kingston.            |
| McGillivray, Neil J., B.A.....                           | 1848....            | (Deceased).          |
| McGillivray, T. Shannon, M.D.....                        | 1888....            | Hamilton.            |
| McGrath, Edward, M.D.....                                | 1888....            | Campbellford.        |
| McGrath, Michael E., M.D.....                            | 1889....            | Sunbury.             |
| McGregor, Peter C., B.A.....                             | 1866....            | Almonte.             |
| *McGregor, P. G., D.D.....                               | 1876....            | (Deceased).          |
| <sup>12</sup> McGuire, Thomas H., B.A.....               | 1870....            | Prince Albert, Sask. |
| <sup>23</sup> McGuirl, Thomas H., B.A.....               | 1886....            | Ottawa.              |
| McGurn, Joseph S., M.D.....                              | 1881....            | (Deceased).          |
| McIntosh, William D., B.A.....                           | 1892....            | Toronto.             |
| <sup>12</sup> McIntyre, Donald M., B.A.....              | 1874....            | Kingston.            |
| McIntyre, Duncan, M.D.....                               | 1864....            | Wardsville.          |
| McIntyre, John, B.A.....                                 | 1847....            | (Deceased).          |

| Name.  | Date of Graduation. | Address.          |
|--|---------------------|-------------------|
| McIntyre, John, B.A., 1861; M.A.               | 1872....            | Kingston.         |
| McKay, Donald G., B.A.                         | 1865....            | (Deceased).       |
| *McKay, George L., D.D.                        | 1880....            | Tamsui, Formosa.  |
| McKay, John, B.A.                              | 1888....            | Sault Ste. Marie. |
| <sup>12</sup> McKay, Matthew W., B.A.          | 1879....            | Pembroke.         |
| *McKay, Roderick, B.A., 1881; B.D.             | 1886....            | Douglas           |
| *McKay, William E., B.A.                       | 1856....            | (Deceased).       |
| *McKee, William, B.A.                          | 1872....            | Alliston.         |
| McKellar, Dugald, M.D.                         | 1855....            | (Deceased).       |
| McKellar, Margaret, M.D.                       | 1890....            | Neemuch, India.   |
| <i>(Medical Missionary).</i>                   |                     |                   |
| McKenty, James, M.D.                           | 1890....            | Neché, Dakota.    |
| McKenzie, Andrew, M.D.                         | 1862....            | (Deceased).       |
| *McKenzie, Archibald, B.A.                     | 1888....            | Egansville.       |
| McKenzie, Edward, M.D.                         | 1860....            | Smith's Falls.    |
| McKenzie, John A., B.A.                        | 1856....            | Sarnia.           |
| <sup>4</sup> McKenzie, Malcolm, B.A.           | 1887....            | Calgary.          |
| *McKinnon, Malcolm, B.A.                       | 1885....            | Lorneville.       |
| *McKinnon, John, B.A., 1886; M.A.              |                     |                   |
| 1889; B.D.                                     | 1889....            | Springbank.       |
| McKillop, Alexander, B.A.                      | 1877....            | Montreal          |
| *McKillop, Charles, B.A.                       | 1875....            | Lethbridge, Man.  |
| McKillop, James T., M.D.                       | 1889....            | Beachburg.        |
| *McLachlan, Alexander, B.A.                    | 1884....            | Tarsus, Turkey.   |
| McLaughlan, Edward, M.D.                       | 1886....            | Morrisburg.       |
| McLaren, Alexander, M.D.                       | 1865....            | Lancaster.        |
| *McLaren, Ebenezer D., B.A., 1870;             |                     |                   |
| M.A., 1873; B.D.                               | 1873....            | Vancouver, B.C.   |
| McLaren, James, B.A.                           | 1850....            | Nelson, O.        |
| McLaren, John, B.A.                            | 1860....            | (Deceased).       |
| <sup>12</sup> McLaren, John Brown, B.A., 1876; |                     |                   |
| M.A.   | 1878....            | Morden, Man.      |
| McLaren, Peter, B.A.                           | 1854....            | (Deceased).       |
| McLaren, Peter, LL.D.                          | 1868....            | (Deceased).       |
| McLaren, Peter, B.A.                           | 1866....            | Ormsdown.         |
| *McLaren, William, D.D.                        | 1883....            | Toronto.          |
| <i>(Professor, Knox College).</i>              |                     |                   |
| *McLean, Alexander, B.A.                       | 1878....            | (Deceased).       |
| McLean, Caird R., M.D.                         | 1859....            | Meaford.          |
| *McLean, Donald J., B.A.                       | 1855....            | Arnprior.         |
| McLean, Ernest H., M.D.                        | 1891....            | Calgary.          |
| *McLean, James M., B.A.                        | 1887....            | Clayton.          |
| McLean, Solomon C., M.D.                       | 1874....            | Spencerville.     |
| McLean, Thomas F., M.D.                        | 1863....            | Goderich.         |



| Name.   | Date of Graduation. | Address.             |
|---|---------------------|----------------------|
| McLennan, James A., M.D.....                                      | 1891....            | Economy, N. S.       |
| McLennan, Alexander K., B.A....                                   | 1891....            | Peveril, Que.        |
| McLennan, Alexander S., M.D....                                   | 1873....            | Chicago              |
| McLennan, Duncan N., M.D.....                                     | 1891....            | Port Hope.           |
| McLeod, Alexander, B.A.....                                       | 1883....            | Mentona, Man.        |
| McLeod, J.A.F., Hon Justice, B.A.                                 | 1854....            | N. W. Territory.     |
| *McLeod, John, B.A.....   | 1883....            | Richmond, Que.       |
| 4, 7, 15, 17 *McLeod, Peter A., B.A.,<br>1887; M.A.....           | 1890....            | Sonya.               |
| McMahon, James, M.D.....  | 1873....            | Texarkana, Texas.    |
| McMillan, Hugh H., B.A.....                                       | 1880....            | Dakota.              |
| *McMillan, J., B.A., 1862; B.D....                                | 1865....            | Halifax.             |
| *McMoline, John, D.D.....   | 1865....            | (Deceased).          |
| *McMoline, John K., B.A., 1859;<br>M.A.....                       | 1863....            | Kingston.            |
| *McMoline, Samuel, B.A., 1865;<br>M.A.....                        | 1872....            | Portage La Prairie.  |
| McMurchy, Archibald, M.D.....                                     | 1883....            | Chapleau, Algoma.    |
| McMurchy, Archibald, B.A.....                                     | 1875....            | Nipissing.           |
| McNichol, Eugene C., M.D.....                                     | 1877....            | Cobourg.             |
| *McPhadyen, Hugh, B.A.....  | 1881....            | Manilla.             |
| McPhaden, Murdoch, M.D.....                                       | 1880....            | Mount Forest.        |
| McPhail, Donald G., B.A.....                                      | 1889....            | Picton.              |
| McPherson, Neil, B.A., 1889; M.A.                                 | 1891....            | Tweed.               |
| McPherson, Norman A., B.A.....                                    | 1889....            | Ogdensburg.          |
| McPherson, Wallace A., B.A....                                    | 1891....            | Denver, Col.         |
| McPherson, William A. A., M.D.                                    | 1891....            | Prescott.            |
| McRae, Thomas W. R., B.A.....                                     | 1886....            | Belleville.          |
| *McTavish, Alexander, B.A.....                                    | 1881....            | Chater, Man.         |
| 6, 17, 20, 24 *McTavish, D., B.A., 1881;<br>M.A., 1882; D.Sc..... | 1885....            | Toronto.             |
| McTavish, Duncan B., B.A., 1870;<br>M.A.....                      | 1873....            | Ottawa.              |
| *McQuarrie, Alexander R., B.A....                                 | 1862....            | Burlington, Vt.      |
| McVety, Albert F., M.D.....                                       | 1886....            | Kingston.            |
| <i>(Professor, Women's Medical College).</i>                      |                     |                      |
| *Nairn, Robert, B.A.....  | 1879....            | Rat Portage.         |
| *Neill, Robert, D.D....   | 1872....            | (Deceased).          |
| *Nelles, Samuel S., D.D....                                       | 1861....            | (Deceased).          |
| Neish, James, M.D.....  | 1865....            | Kingston, Jamaica.   |
| Neish, George J., M.D.....  | 1890....            | Bull Bay, Jamaica.   |
| Neish, William D., M.D.....                                       | 1887....            | Old Harbor, Jamaica. |
| Nesbit, Edward, M.D.....  | 1868....            | (Deceased).          |
| Newlands, George, M.D.....  | 1879....            | Litchfield.          |
| Newlands, Isaac, B.A.....   | 1884....            | Kingston.            |



| Name.  | Date of Graduation. | Address.           |
|--|---------------------|--------------------|
| Newman, George E., B.A.....                                    | 1891....            | Leamington.        |
| Newton, John, M.D.....   | 1866....            | Deseronto.         |
| Nichol, James, M.D.....  | 1863....            | (Deceased).        |
| *Nicholson, Alex. B., B.A.....                                 | 1867....            | Kingston.          |
| <i>(Assistant Professor and Lecturer, Queen's University).</i> |                     |                    |
| 8, 11, 14, 23 Nicol, William, B.A., 1883;                      |                     |                    |
| M.A.....   | 1889....            | Kingston.          |
| <i>(Assistant Professor and Lecturer, Queen's University).</i> |                     |                    |
| Nickle, William F., B.A....                                    | 1892....            | Kingston.          |
| *Nimmo, John H., B.A., 1867; M.D.                              | 1886....            | Brockville.        |
| *Nish, James, D.D.....   | 1880....            | (Deceased).        |
| *Niven, David P., B.A.....                                     | 1867....            | St. Catharines.    |
| Noel, John V., B.A.....  | 1863....            | (Deceased).        |
| Northmore, Harold S., M.D.....                                 | 1889....            | Bath.              |
| Nugent, Andrew, B.A.....                                       | 1876....            | Ottawa.            |
| O'Connor, Charles, B.A.....                                    | 1890....            | Ottawa             |
| Odlum, John, M.D.....  | 1880....            | Sparta.            |
| Ogilvie, Nettie, M.D.....                                      | 1888....            | Kingston, Jamaica. |
| O'Hara, Margaret, M.D.....                                     | 1891....            | Indore, India.     |
| <i>(Medical Missionary).</i>                                   |                     |                    |
| Oldham, Edmund, M.D.....                                       | 1881....            | Chatsworth.        |
| Oldham, John H., M.D.....                                      | 1891....            | Kingston.          |
| Oliver, Alfred S., M.D.....                                    | 1863....            | Kingston.          |
| <i>(Professor, Royal Medical College).</i>                     |                     |                    |
| Oliver, John K., M.D.....                                      | 1868....            | (Deceased).        |
| Oliver, Marion, M.D.....                                       | 1886....            | Indore, India.     |
| <i>(Medical Missionary).</i>                                   |                     |                    |
| O'Loughlin, Robert S., B.A., 1865;                             |                     |                    |
| M.A.....   | 1874....            | New York.          |
| O'Neil, Thomas, M.D.....                                       | 1888....            | (Deceased).        |
| O'Reilly, Anthony, M.D.....                                    | 1861....            | (Deceased).        |
| <sup>6</sup> O'Reilly, James R., B.A.....                      | 1882....            | Prescott.          |
| O'Shea, James F., M.D.....                                     | 1881....            | Campbellford.      |
| O'Shea, James, B.A.....  | 1891....            | Kingston.          |
| O'Sullivan, John, M.D.....                                     | 1868....            | (Deceased).        |
| *Oxley, Malcolm S., B.A.....                                   | 1878....            | Montreal.          |
| Page, Thomas A., M.D.....                                      | 1883....            | Brockville.        |
| <sup>2</sup> Parker, Frank R., B.A.....                        | 1887....            | Orangeville.       |
| Parker, Robert, M.D.....                                       | 1861....            | Stirling.          |
| Parmelee, George W., B.A.....                                  | 1889....            | Montreal.          |
| Patterson, James A., M.D.....                                  | 1889....            | Port Elgin.        |
| Patteson, Richard L., M.D.....                                 | 1885....            | Langford.          |
| *Paterson, Andrew, B.A.....                                    | 1884....            | Pakenham.          |
| Patterson, James R., M.D.....                                  | 1867....            | Port Elgin.        |

| Name.  | Date of<br>Graduation. | Address.             |
|--|------------------------|----------------------|
| *Patterson, Gilbert C., B.A., 1878;<br>M.A.....  | 1880                   | Embro.               |
| Patterson, John N., M.D.....                     | 1890                   | Tiverton.            |
| <sup>3, 13</sup> Patterson, William J., B.A..... | 1888                   | Caledonia.           |
| Perault, Julien, M.D.....                        | 1857                   | San Francisco, Cal.  |
| *Perrin, Louis, B.A.....                         | 1884                   | Pickering.           |
| Phalen, Ronald M., B.A.....                      | 1889                   | Bath.                |
| Phelan, Daniel, M.D.....                         | 1877                   | Kingston.            |
| <i>(Professor, Women's Medical College).</i>     |                        |                      |
| Phelan, Leopold, (B.A ) M.D.....                 | 1890                   | Kingston.            |
| Pirie, Alexander F., M.D.....                    | 1887                   | Cartago, Costa Rica. |
| Pirie, Edwin, B.A.....                           | 1888                   | Dundas.              |
| Pirie, Henry H., B.A., 1887; M.D...              | 1890                   | Cartago, Costa Rica. |
| Pitblado, Colin, M.D.....                        | 1886                   |                      |
| *Pollock, Peter M., B.A.....                     | 1881                   | Scotland.            |
| *Pollok, Allan, D.D.....                         | 1876                   | Halifax.             |
| <i>(Professor, Theological Hall).</i>            |                        |                      |
| Pope, Frederick J., M.A.....                     | 1891                   | Elginburg.           |
| Pope, Stephen D., B.A., 1861; LL.D.              | 1890                   | Victoria, B. C.      |
| *Potter, James G., B.A.....                      | 1891                   | Merrickville.        |
| Potter, Levi, M.D.....                           | 1870                   | Enniskillen.         |
| Potter, Samuel, M.D.....                         | 1875                   | (Deceased).          |
| Potter, Thomas, M.D.....                         | 1876                   | Ottawa.              |
| Powell, George K., B.A.....                      | 1891                   | Toronto.             |
| Pratt, William F., M.D.....                      | 1888                   | Carleton Place.      |
| Pratt, Wilton, M.D.....                          | 1888                   | Toledo.              |
| Preston, Richard F., M.D.....                    | 1875                   | Carleton Place.      |
| Preston, Robert H., M.D.....                     | 1864                   | Newboro'.            |
| Price, Cornelius V., LL.B.....                   | 1863                   | Kingston.            |
| Price, Robinson B., M.D.....                     | 1866                   | Kingston.            |
| *Pringle, John, B.A.....                         | 1875                   | Port Arthur.         |
| Pringle, Robert H., B.A.....                     | 1882                   | Brampton             |
| Purdy, Alvanley N., M.D.....                     | 1873                   | Dunlop, Texas.       |
| Purdy, Charles W., M.D.....                      | 1869                   | Chicago.             |
| Ramsay, Robert, M.D.....                         | 1861                   | (Deceased).          |
| Rand, Silas T., LL.D.....                        |                        | Hantsport, N. S.     |
| Rankin, William H., M.D.....                     | 1889                   | Trenton.             |
| Ranstead, William, M.D.....                      | 1887                   | Ottawa.              |
| Rathbun, Herbert B., B.A.....                    | 1883                   | Deseronto.           |
| <sup>13</sup> Ratray, James, B.A.....            | 1887                   | Melrose.             |
| Raymond, C. Nelson, M.D.....                     | 1891                   | Kingston.            |
| Reddon, John A., B.A.....                        | 1889                   | Kingston.            |
| Reeve, Richard A., M.D.....                      | 1865                   | Toronto.             |
| Reeve, Henry H., M.D.....                        | 1880                   | Almonte.             |

| Name.  | Date of<br>Graduation. | Address.                                      |
|--|------------------------|---|
| Reeve, John L., M.D.                           | 1882                   | Clinton.                                      |
| Reid, Etta A., M.A.                            | 1892                   | Williamsville.                                |
| Reid, John D., M.D.                            | 1890                   | Cardinal.                                     |
| *Reid, William, D.D.                           | 1876                   | Toronto.                                      |
| Reid, William D., M.D.                         | 1880                   | Barre, Vt.                                    |
| Reilly, Adrian, M.D.                           | 1862                   | Welland.                                      |
| Renaud, Allan C., B.A.                         | 1864                   | Montreal.                                     |
| Reynolds, Helen E. (Ryan), M.D.                | 1885                   | Toronto.                                      |
| Ritchie, George, B.A., 1878; B.Sc.             | 1878                   | Toronto.                                      |
| Robertson, Donald M., B.A.                     | 1886                   | Toronto.                                      |
| Robertson, John W., M.D.                       | 1888                   | Hopewell, N. S.                               |
| Robertson, Miles S., B.A.                      | 1884                   | Violet.                                       |
| Robertson, Struan G., B.A.                     | 1891                   | Hopewell, N. S.                               |
| Robinson, Andrew, M.D.                         | 1889                   | Kingston.                                     |
| Robinson, Edward B., M.D.                      | 1891                   | Rodney, Iowa.                                 |
| Robinson, Robert P., M.D.                      | 1888                   | Carleton Place.                               |
| Robinson, Robert R., M.D.                      | 1892                   | Consecon.                                     |
| Roche, William P., M.D.                        | 1860                   | (Deceased).                                   |
| Rockwell, Albert, M.D.                         | 1868                   | Frankford.                                    |
| Rockwell, Ashbel S., M.D.                      | 1872                   | Rochester, N. Y.                              |
| Rogers, R. Vashon, B.A.                        | 1861                   | Kingston.                                     |
| Rogers, David H., M.D.                         | 1881                   | Gananoque.                                    |
| Rollo, James, B.A.                             | 1852                   | Toronto.                                      |
| *Romanes, George, LL.D.                        | 1866                   | (Deceased).                                   |
| Roose, E. C. Robson, LL.D.                     | 1889                   | London, Eng.                                  |
| Rose, George R., B.A., 1856; M.D.              | 1860                   | (Deceased).                                   |
| Ross, Alex. H. D., B.A., 1888; M.A.            | 1889                   | Almonte.                                      |
| Ross, Arthur E., B.A.                          | 1892                   | Cobden.                                       |
| *Ross, Donald, B.A., 1860; M.A.,<br>1862; B.D. | 1863                   | Kingston.<br>(Professor, Queen's University). |
| Ross, George S., B.A.                          | 1856                   |   |
| *Ross, James, D.D.                             | 1864                   | (Deceased).                                   |
| *Ross, James, B.A., 1878; M.A.,<br>1881; B.D.  | 1881                   | Perth.  |
| Ross, John Reid, B.A.                          | 1862                   |   |
| Ross, Thomas K., M.D.                          | 1863                   | Fredonia, N. Y.                               |
| *Ross, Walter, B.A., 1859; M.A.                | 1862                   | (Deceased).                                   |
| Ross, William A., B.A.                         | 1855                   | Ottawa.                                       |
| Rothwell, William, B.A.                        | 1881                   |   |
| Rourke, Francis, M.D.                          | 1872                   | Dublin, Ont.                                  |
| Rowse, Mark R., B.A.                           | 1870                   | Bath.   |
| Roy, Henry, M.D.                               | 1885                   | Chisholm.                                     |
| Russell, Donald G., M.D.                       | 1885                   | Mankato, Man                                  |
| Russell, E. Howard, B.A.                       | 1889                   | British Columbia.                             |

| Name.  | Date of<br>Graduation. | Address.        |
|--|------------------------|-----------------|
| Russell, Samuel, B.A.....                                  | 1882....               | Deseronto.      |
| Ruttan, Joseph B., M.D.....                                | 1863....               | Wellington.     |
| Rutherford, David B., M.D.....                             | 1882....               | Salt Lake City. |
| Rutherford, James, M.D.....                                | 1870....               | Orono.          |
| Ryan, Edward, B.A., 1886; M.D.....                         | 1889....               | Kingston.       |
| <i>(Professor, Royal College).</i>                         |                        |                 |
| Ryan, Michael D., M.D.....                                 | 1891....               | Oates.          |
| Sands, Ernest, M.D.....                                    | 1889....               | Sunbury.        |
| Saunders, Herbert J., M.D.....                             | 1869....               | Kingston.       |
| <i>(Professor, Royal College).</i>                         |                        |                 |
| Saunders, Lawrence, M.D.....                               | 1868....               | (Deceased).     |
| Sayers, Alexander, M.D.....                                | 1870....               | Marion, N. Y.   |
| Scales, Thomas, B.A., 1878; M.D.....                       | 1887....               | (Deceased).     |
| *Scott, Alexander H., B.A., 1875;<br>M.A.....              | 1878....               | Perth.          |
| <sup>8</sup> Scott, Colin A., B.A.....                     | 1885....               | Ottawa.         |
| Scott, Patrick J., M.D.....                                | 1888....               | Southampton.    |
| Scott, Thomas B., B.A., 1888; M.D.....                     | 1892....               | Belleville.     |
| Scott, Thomas R., B.A.....                                 | 1888....               | Aurora.         |
| Scott, William J., M.D.....                                | 1891....               | Lanark.         |
| Scott, William S., M.D.....                                | 1855....               | Southampton.    |
| Scovill, Simmons S.S., M.D.....                            | 1877....               | Rat Portage.    |
| Searls, Abraham W., M.D.....                               | 1864....               | (Deceased).     |
| *Sedgwick, Robert, D.D.....                                | 1878....               | (Deceased).     |
| Shannon, John R., B.A., 1885; M.D.....                     | 1890....               | Vienna.         |
| Shannon, Lewis W., B.A.....                                | 1877....               | Kingston.       |
| Shannon, Robert W., B.A., 1875;<br>M.A.....                | 1879....               | Ottawa.         |
| <sup>4</sup> *Sharp, John, M.A.....                        | 1892....               | Admaston.       |
| Shaw, John M., B.A., 1883; M.D.....                        | 1886....               | Landsdowne.     |
| Shaw, Robert, B.A.....                                     | 1873....               | Kingston.       |
| Shenick, Adeline, (B.Sc.) B.A.....                         | 1891....               | Ottawa.         |
| *Sheraton, James P., D.D.....                              | 1882....               | Toronto.        |
| <i>(President, Wycliffe College).</i>                      |                        |                 |
| <sup>6</sup> Shibley, Henry T., B.A.....                   | 1881....               | Kingston.       |
| Shibley, Laura, B.A.....                                   | 1890....               | London.         |
| Shier, James, B.A.....                                     | 1862....               |                 |
| Shirley, Joseph W., M.D.....                               | 1863....               | Watford.        |
| <sup>4, 13, 22</sup> Shortt, Adam, B.A., 1883;<br>M.A..... | 1884....               | Kingston.       |
| <i>(Professor and Librarian, Queen's University).</i>      |                        |                 |
| <sup>8, 11</sup> Shorey, Edmund C., B.A. 1886;<br>M.A..... | 1887....               | Kohala, Hawaii. |
| Shurie, Josiah S., B.A.....                                | 1889....               | Toronto.        |

| Name.  | Date of Graduation. | Address.           |
|--|---------------------|--------------------|
| *Sieveright, James, B.A.....                   | 1855....            | Huntsville.        |
| Sieveright, James A., M.D.....                 | 1870....            | (Deceased).        |
| Simpson, James, B.A.....                       | 1864....            | Bay City, Mich.    |
| <sup>4</sup> Sinclair, John A., M.A.....       | 1890....            | Carleton Place.    |
| *Sinclair, Robert C. H., B.A.....              | 1888....            | Chicago.           |
| Skimin, Nellie St. G., M.D.....                | 1892 ...            | Hamilton.          |
| Skinner, Henry, M.D.....                       | 1862....            | (Deceased).        |
| Skinner, John S., B.A.....                     | 1883....            | Kingston.          |
| Smellie, Donald McK., M.D.....                 | 1888....            | Madoc.             |
| *Smellie, George, D.D.....                     | 1885....            | Fergus.            |
| Smellie, James F., B.A.....                    | 1890....            | Toronto.           |
| Smith, Alexander L., B.A. ....                 | 1883....            | Alexandria.        |
| Smith-Shortt, Elizabeth, M.D....               | 1884....            | Kingston.          |
| <i>(Professor, Women's Medical College).</i>   |                     |                    |
| Smith, Frederick B., M.D.....                  | 1886 ...            | Watertown, N. Y.   |
| Smith, George, M.D. ....                       | 1858....            | (Deceased).        |
| Smith, George H. W., M.D.....                  | 1892....            | Sydney, N. S. W.   |
| Smith, Gordon J., B.A.....                     | 1886....            | Toronto.           |
| *Smith, James C, B.A., 1861; M.A.              |                     |                    |
| 1863; B.D.....                                 | 1880....            | Guelph.            |
| *Smith, James F., M.D.....                     | 1888....            | Tientsin, China.   |
| <i>(Medical Missionary)</i>                    |                     |                    |
| Smith, John R., M.D.....                       | 1863....            | (Deceased).        |
| Smith, Robert A., M.D.....                     | 1883....            | Evans Mills, N. Y. |
| *Smyth, William J, B.A.....                    | 1881....            | Montreal.          |
| <sup>3</sup> Snell, Joseph, M.A.....           | 1890 ...            | Mount Forest.      |
| Snider, Elias T., M.D.....                     | 1889 ...            | Cataraqui.         |
| Snider, Samuel H., M.D.....                    | 1881....            | Carman, Man.       |
| Snook, Marcus S, B.A.....                      | 1881....            | (Deceased).        |
| Snowdon, John M, B.A.....                      | 1885....            | Ottawa.            |
| Somerville, James A., B.A., 1858;              |                     |                    |
| M.D.....                                       | 1866....            | Menamane, Mich.    |
| *Somerville, James H., B.A.....                | 1881....            | Detroit.           |
| <sup>24</sup> Spankie, William, B.A, 1862; M.D | 1885....            | Wolfe Island.      |
| Spafford, H. W., M.D.....                      | 1855....            | (Deceased).        |
| Spankie, James E., M.D.....                    | 1891....            | Kingston.          |
| Sparham, George S., M.D.....                   | 1859....            | Kemptville.        |
| Spear, Hugh, M.D.....                          | 1873....            | Toronto.           |
| *Spence, Alexander, D.D.....                   | 1864 ...            | (Deceased).        |
| Spencer, Henry, M.D.....                       | 1862....            | (Deceased).        |
| Spooner, George D., M.D.....                   | 1860....            | (Deceased).        |
| Spooner, Hiram R., M.D.....                    | 1869....            | Sutton.            |
| Spooner, Margaret M., B.A.....                 | 1886....            | Sydenham.          |
| Sproat, Alexander, B.A.....                    | 1853 ...            | (Deceased).        |

| Name.   | Date of Graduation. | Address.              |
|---|---------------------|-----------------------|
| Sproul, Nathaniel J., B.A.....                | 1891....            | Orangeville.          |
| Squire, William W., B.A., 1854;<br>M.A.....   | 1864....            | (Deceased).           |
| Stanley, Right Hon. Baron, LL.D.....          | 1889....            | Ottawa.               |
| *Steele, Jacob, B.A., 1883; B.D....           | 1889....            | Newdale, Man.         |
| Stevens, Nathaniel T., M.D.....               | 1892....            | Athens.               |
| Stevenson, Alexander J., B.A.....             | 1882....            | Minden.               |
| *Stevenson, John F., D.D.....                 | 1880....            | (Deceased).           |
| Stewart, Alexander, M.D.....                  | 1889....            | N. Dakota.            |
| Stewart, Alexander J., M.D.....               | 1869....            | Angus.                |
| Stewart, Daniel W., B.A.....                  | 1884....            | Renfrew.              |
| <sup>8</sup> Stewart, James A., M.A.....      | 1892....            | Renfrew.              |
| Stewart, John M., M.D.....                    | 1882....            | Chesley.              |
| <sup>3</sup> Stewart, William, B.A.....       | 1879....            | Toronto.              |
| Stirling, James A., M.D.....                  | 1885....            | Picton.               |
| Stirling, John E., M.D.....                   | 1884....            |                       |
| Storms, Douglas G., M.D.....                  | 1886....            | Hamilton.             |
| Stowell, Olmsby O., M.D.....                  | 1869....            | Madoc.                |
| Strachan, Daniel, B.A.....                    | 1889....            | Rockwood.             |
| Strange, John, B.A., 1877; LL.B....           | 1883....            | Kingston.             |
| *Stuart, James G., B.A.....                   | 1876....            | Toronto.              |
| Stuart Irwin, B.A.....                        | 1870....            | (Deceased).           |
| Stuart, William A., B.A., 1888; M.D.          | 1891....            | Bainsville.           |
| *Sturgeon, Robert J., B.A.....                | 1887....            | Wanbushene.           |
| Sullivan, D. Vincent, B.A., 1890;<br>M.D..... | 1892....            | Kingston.             |
| Sullivan, Hon. Michael, M.D.....              | 1858....            | Kingston.             |
| <i>(Professor, Royal College).</i>            |                     |                       |
| Sullivan, Thomas, M.D.....                    | 1863....            | (Deceased).           |
| Sullivan, William, B.A.....                   | 1862....            | Kingston.             |
| Sutherland, Robert, B.A.....                  | 1852....            | (Deceased).           |
| Sweetland, John, M.D.....                     | 1858....            | Ottawa.               |
| Switzer, Wilson I., M.D.....                  | 1862....            | (Deceased).           |
| Symington, Thomas J., M.D.....                | 1881....            | Camlachie.            |
| Tarbell, Horace S., B.A.....                  | 1862....            |                       |
| Tassie, William, LL.D.....                    | 1871....            | (Deceased).           |
| Taylor, James, M.D.....                       | 1864....            | Tara.                 |
| Taylor, John A., B.A.....                     | 1892....            | Blyth.                |
| Taylor, William F., M.D.....                  | 1861....            | Brisbane, Queensland. |
| Thibodo, Augustus J., B.A., 1851;<br>M.A..... | 1854....            | Prescott, Arizona.    |
| Thibodo, Oliver, M.D.....                     | 1857....            | Phoenix, Arizona.     |
| Thibodo, Robert, B.A., 1862; M.D....          | 1862....            | Winnipeg.             |
| Thibodo, William B., B.A., 1862;<br>M.A.....  | 1865....            | Winnipeg.             |



| Name.  | Date of<br>Graduation. | Address.            |
|--|------------------------|---------------------|
| Thirkell, William G., M.D. ....              | 1861....               | Sodus, N. Y.        |
| Tillman, Harry G., M.D. ....                 | 1889....               | Kingston, Jamaica.  |
| Thompson, Hiram B., M.D. ....                | 1888....               | Barrie.             |
| *Thompson, George, B.A. ....                 | 1863....               | Scotland.           |
| *Thompson, George M., B.A. ....              | 1878. .                | Glasgow, Scotland.  |
| Thompson, John, B.A. ....                    | 1855....               | (Deceased).         |
| *Thompson, John R., B.A., 1865;<br>M.A. .... | 1868....               | Vancouver, Wash. T. |
| Thompson, William B., M.D. ....              | 1892....               | Kingston.           |
| Thompson, William McC., B.A. ....            | 1888....               | Dunbar, N. S.       |
| Thorburn, John, LL.D. ....                   | 1880. .                | Ottawa.             |
| Thorne, Stephen H., M.D. ....                | 1887....               | Brighton.           |
| Thornton, Thomas H., M.D. ....               | 1870 . .               | Consecon.           |
| Thornton, William M., M.D. ....              | 1864....               | (Deceased).         |
| Todd, Alpheus (C.M.G.) LL.D . .              | 1881....               | (Deceased).         |
| Todd, Samuel G., M.D. ....                   | 1890....               | Woodland, Ind.      |
| Townsend, Harland W., B.A. ....              | 1887....               | Magog.              |
| Tracey, Robert, M.D. ....                    | 1862....               | Belleville.         |
| Tracey, Thomas B., M.D. ....                 | 1865....               | (Deceased).         |
| Trousdale, James D., M.D. ....               | 1860....               | (Deceased).         |
| Turnbull, Agnes M., M.D. ....                | 1892....               | Montreal.           |
| Turner, John B., B.A. ....                   | 1889....               | Hamilton.           |
| Tuttle, Henry E., M.D. ....                  | 1892....               | Iroquois.           |
| Tuttle, Leslie, M.D. ....                    | 1875....               | Tweed.              |
| *Ure, Robert, D.D. ....                      | 1876....               | Goderich.           |
| Valleau, Archibald J., M.D. ....             | 1891....               | Wilcott, Vt.        |
| Valleau, George Z., M.D. ....                | 1867....               |                     |
| Van Allan, John R., M.D. ....                | 1871....               | Kansas City.        |
| Van Vlack, Gilbert J., M.D. ....             | 1869....               | (Deceased).         |
| Waddell, W. H., M.D. ....                    | 1880....               |                     |
| Wade, Robert J., M.D. ....                   | 1888....               | Trenton.            |
| Wade, William R., M.D. ....                  | 1888....               | Trenton.            |
| Wafer, Francis M., M.D. ....                 | 1867....               | (Deceased).         |
| Walkem, William W., M.D. ....                | 1873....               | Nanaimo, B. C.      |
| Walker, Allan H., M.D. ....                  | 1867....               | Hamilton.           |
| Walker, Archibald D., M.D. ....              | 1888 . .               | Belleville.         |
| Walker, Hattie A., M.D. ....                 | 1890....               | Pittserry.          |
| Walker, Stanley R., M.D. ....                | 1889....               | Papineau, Ill.      |
| <sup>9</sup> Walker, Thomas L., M.A. ....    | 1890....               | Balmoral, Man.      |
| Walkinshaw, William, B.A. ....               | 1890....               | Campbellford.       |
| *Wallace, Alexander, B.A. ....               | 1847....               | (Deceased).         |
| Wallace, David, M.D. ....                    | 1881....               | Metcalfe, Ont.      |
| Wallbridge, Asa F., B.A. ....                | 1854....               | Newcastle.          |
| Ward, G. C. Tremaine, M.D. ....              | 1879....               | Napanee.            |
| Wardlaw, James S., M.D. ....                 | 1888....               | Galt.               |



| Name.   | Date of Graduation. | Address.              |
|---|---------------------|-----------------------|
| *Wardrope, Thomas, D.D.....                                   | 1878....            | Guelph.               |
| Warner, Albert F., M.D.....                                   | 1887....            | Wilton.               |
| Wartman, Philander G., M.D.....                               | 1864....            | (Deceased).           |
| Waters, John F., B.A. ....                                    | 1884....            | Ottawa.               |
| Watson, Andrew, B.A.....                                      | 1861 ...            | Lucknow.              |
| Watson, Charles V., M.D.....                                  | 1863 ...            | Wellington.           |
| *Watson, David, B.A., 1850; M.A.,<br>1852; D.D.....           | 1886....            | Beaverton.            |
| Watson, Donald, B.A.....                                      | 1851....            | (Deceased).           |
| *Watson, Peter, B.A.....                                      | 1852....            | Williamstown.         |
| Watts, Ezra J., M.D. ....                                     | 1886....            | Franktown.            |
| Watts, Thomas E., M.D.....                                    | 1890....            | Natural Bridge, N. Y. |
| Webster, Charles R., B.A.....                                 | 1891....            | Kingston.             |
| Webster, James, B.A.....                                      | 1857....            | (Deceased).           |
| Webster, George R., B.A.....                                  | 1875....            | Brockville.           |
| Webster, W. J., M.D.....                                      | 1884....            | White Lake, Dak.      |
| Weekes, W. J., M.D. ....                                      | 1865....            | Woodstock.            |
| Weir, Janet, M.D.....   | 1891....            | Merrickville.         |
| Weir, William, M.D.....                                       | 1861....            | (Deceased).           |
| Westlake, Henry, W., B.A.....                                 | 1883....            | Exeter.               |
| Wheeler, James W., M.D.....                                   | 1892....            | Wolfe Island.         |
| White, Albert N., M.D.....                                    | 1886....            | Casenovia, N. Y.      |
| White, James W., M.D.....                                     | 1891....            | Branchton.            |
| *White, Joseph F., B.A.....                                   | 1877....            | Shanty Bay, Ont.      |
| Whitney, Arthur W., M.D.....                                  | 1888....            | St. Paul, Minn.       |
| *Whiteman, Richard, B.A.....                                  | 1886....            | Port Perry.           |
| Wilkie, William D., B.A.....                                  | 1891....            | Fort Saskatchewan.    |
| Williams, Herbert S., M.D.....                                | 1884....            | Mount Vernon, Dak.    |
| *Willis, Michael, LL.D.....                                   | 1861....            | (Deceased).           |
| Wilson, Arthur C., M.D.....                                   | 1891....            | Perth.                |
| Wilson, Caroline L. M., B.A.....                              | 1890....            | Kingston.             |
| Wilson, Charles J. C., M.D.....                               | 1869....            | Montreal.             |
| <sup>1</sup> Wilson, Henry L., B.A., 1887;<br>M.A.....        | 1888....            | Newburgh.             |
| Wilson, John A., M.D.....                                     | 1863....            | (Deceased).           |
| Wilson, Thomas, B.A., 1877; M.D.                              | 1880....            | Tara.                 |
| <sup>9</sup> Wood, Isaac, B.A., 1884; M.A.,<br>1891; M.D..... | 1892....            | Kingston.             |
| Wright, Edward W., M.D.....                                   | 1886....            | Berlin.               |
| *Wright, John J., B.A.....                                    | 1885....            | Mallorytown.          |
| Wright, Josephine, B.A.....                                   | 1892....            | North Bay.            |
| Wright, Thomas A., M.D.....                                   | 1888....            | Russell, Man.         |
| Wylie, James, B.A.....  | 1864....            | (Deceased).           |
| Yates, Horatio, M.D.....                                      | 1863....            | (Deceased).           |
| Yates, Octavius, M.D.....                                     | 1856....            | (Deceased).           |

| Name.                             | Date of<br>Graduation. | Address.              |
|-----------------------------------|------------------------|-----------------------|
| *Yeomans, George A., B A          | 1863....               | Wiarton.              |
| Yeomans, Horace P., B.A., 1860:   |                        |                       |
| M.D.....                          | 1863....               | (Deceased).           |
| Young, Daniel, M.D.....           | 1862....               | Conway.               |
| Young, David, M.D.....            | 1871....               | Lower Fort Garry.     |
| Young, Frederick M., B.A.....     | 1886....               |                       |
| *Young, George P., LL.D.....      | 1882....               | (Deceased).           |
| Young, Henry E., B.A.....         | 1883. ..               | Chicago.              |
| *Young, John, B.A., 1882; M.A.... | 1884....               | Niagara Falls, South. |
| Young, Robert, B.A.....           | 1890....               | Wiarton.              |
| Young, Sir William, LL.D.....     | 1881....               | (Deceased).           |
| Young, William J., M.D.....       | 1883....               | Wingham.              |
| Yourex, John McGill, M.D.....     | 1876....               | Warsaw.               |

# **FELLOWS OF ROYAL COLLEGE OF PHYSICIANS AND SURGEONS, KINGSTON.**

| Name.                    | Present Address.       | Year of Graduation. |
|--------------------------|------------------------|---------------------|
| Bethune, Alexander.....  | Wingham.....           | 1874                |
| Bray, John L.....        | Chatham.....           | 1853                |
| Clunness, William R..... | Sacramento, Cal.....   | 1871                |
| Day, Henry W.....        | Trenton.....           | 1859                |
| Dickson, John R.....     | (Deceased).....        | 1866                |
| Dupuis, Thomas R.....    | Kingston.....          | 1871                |
| Fenwick, Kenneth N.....  | Kingston.....          | 1874                |
| Fowler, Fife.....        | Kingston.....          | 1866                |
| Henderson, Donald.....   | Winnipeg.....          | 1886                |
| Horsey, E. H.....        | (Deceased).....        | 1886                |
| Irwin, C. A.....         | (Deceased).....        | 1886                |
| Kennedy, Roderick.....   | Bath.....              | 1866                |
| Lavell, Michael.....     | Kingston.....          | 1866                |
| Maclean, Donald.....     | Ann Arbor, Mich.....   | 1866                |
| Matheson, M.....         | Sydney, N. S. W.....   | 1886                |
| Mark, Robert.....        | Montreal.....          | 1873                |
| Moore, Vincent H.....    | Brockville.....        | 1870                |
| Neish, James.....        | Kingston, Jamaica..... | 1871                |
| Oliver, Alfred S.....    | Kingston.....          | 1871                |
| Preston, Robert H.....   | Newboro'.....          | 1864                |
| Purdy, C. W.....         | Chicago.....           | 1886                |
| Reeve, Richard A.....    | Toronto.....           | 1866                |
| Saunders, Herbert J..... | Kingston.....          | 1871                |
| Sullivan, Michael.....   | Kingston.....          | 1866                |
| Yates, Horatius.....     | (Deceased).....        | 1871                |
| Yates, Octavius.....     | (Deceased).....        | 1871                |

## **Licentiates of R.C.P.S., K.**

|                              |                         |      |
|------------------------------|-------------------------|------|
| Abbott, Samuel.....          | (Deceased).....         | 1872 |
| Alexander, James A.....      | (Deceased).....         | 1869 |
| Alway, Enoch.....            | Binbrook.....           | 1869 |
| Bice, Mark.....              | Hampton.....            | 1869 |
| Bigham, Hugh.....            | Fenelon Falls.....      | 1867 |
| Bigham, James.....           | Warsaw.....             | 1868 |
| Booth, Donald B.....         | Odessa.....             | 1868 |
| Bruce, Fred.....             | Mount Morris, Mich..... | 1888 |
| Burgar, C.....               | Welland.....            | 1870 |
| Campbell, Albert L.....      | Belleville.....         | 1888 |
| Chaffey, Ellswood.....       | Ontario, Cal.....       | 1870 |
| Chamberlain, Theodore F..... | Morrisburg.....         | 1878 |
| Clapham, Edward.....         |                         | 1861 |

| Name.                       | Present Address.           | Year of Graduation. |
|-----------------------------|----------------------------|---------------------|
| Close, James.....           | Ohio, U. S.....            | 1873                |
| Coleman, William F.....     | St. Jonh, N. B.....        | 1871                |
| Corbett, Henry T.....       | (Deceased).....            | 1868                |
| Cornell, Charles.....       | Farmersville.....          | 1872                |
| Davidson, Myers.....        | Florence.....              | 1871                |
| Davis, L. T.....            | Nanaimo.....               | 1883                |
| Day, Barnabas W.....        | Council Grove, Kansas..... | 1871                |
| Day, Jonathan.....          | Fullerton.....             | 1881                |
| Dickson, John R.....        | (Deceased).....            | 1866                |
| Dowsley, D. H.....          | Clinton.....               | 1875                |
| Dugdale, John J.....        | Montreal.....              | 1867                |
| Dunlop, J. D.....           | Alpena, Mich.....          | 1886                |
| Erischen, Hugo.....         | Detroit.....               | 1882                |
| Erly, Francis W. J.....     | (Deceased).....            | 1868                |
| File, Albert J.....         | Ameliasburg.....           | 1869                |
| Fralick, W. G.....          |                            | 1887                |
| Fraser, Allan H.....        | (Deceased).....            | 1867                |
| Graham, William J.....      | Bothwell.....              | 1873                |
| Green, J. B.....            | Mishawaka, Ind.....        | 1891                |
| Gunsolus, Kenneth.....      |                            | 1874                |
| Hall, John D.....           | (Deceased).....            | 1878                |
| Hall, William.....          | Qu'Appelle.....            | 1883                |
| Harvey, Leander.....        | Watford.....               | 1867                |
| Harvey, W. D.....           | Hillsboro, Dak.....        | 1867                |
| Hay, William, B.A.....      | Antwerp, N. Y.....         | 1887                |
| Henderson, Kenneth.....     | Clyde River, P. E. I.....  | 1890                |
| Hendry, George.....         | (Deceased).....            | 1869                |
| Herriman, Weston Leroy..... | Lindsay.....               | 1869                |
| Higinbotham, A.....         | (Deceased).....            | 1868                |
| Horsey, Edward H.....       | (Deceased).....            | 1871                |
| Houston, William R.....     | Chatham.....               | 1871                |
| Hutchison, John.....        | Meaford.....               | 1869                |
| Jones, De Witt.....         | Toronto.....               | 1891                |
| Johnstone, David.....       | Kincardine.....            | 1869                |
| Keith, S.....               | New Glasgow, N. S.....     | 1886                |
| Kidd, Edward.....           | Picton.....                | 1871                |
| Knight, John H.....         |                            | 1880                |
| Lavell, Charles H.....      | (Deceased).....            | 1873                |
| Lavell, William A.....      | (Deceased).....            | 1880                |
| Maclean, Archibald.....     | Ann Arbor, Mich.....       | 1880                |
| McPherson, W. A.....        | Dexter, N. Y.....          | 1890                |
| Mark, Robert.....           | Ottawa.....                | 1867                |
| Meadows, R. W.....          | H. M. Service.....         | 1866                |
| Meagher, Augustus.....      | (Deceased).....            | 1869                |
| Mitchell, Charles F.....    |                            | 1890                |

| Name.                      | Present Address.        | Year of Graduation. |
|----------------------------|-------------------------|---------------------|
| Mitchell, Harry C.....     |                         | 1889                |
| Munro, David.....          | Perth.....              | 1867                |
| Murphy, H. J.....          | Chatham.....            | 1867                |
| Maclean, Donald.....       | Ann Arbor, Mich.....    | 1868                |
| McAmmond, John F.....      | Scottsville, N. Y.....  | 1890                |
| McDowell, John.....        | (Deceased).....         | 1880                |
| McLennan, Alexander S..... | Chicago.....            | 1873                |
| McPhee, J. H.....          | (Deceased).....         | 1886                |
| Nesbitt, Edward.....       | (Deceased).....         | 1868                |
| Newell, James.....         | Detroit.....            | 1869                |
| Nimmo, John H.....         | Brockville.....         | 1886                |
| Noel, J. V.....            | (Deceased).....         | 1867                |
| Oliver, J. K....           | (Deceased).....         | 1868                |
| O'Sullivan, John.....      | (Deceased).....         | 1868                |
| Patterson, Richard L.....  | Chatham.....            | 1885                |
| Patterson, James B.....    | Port Elgin.....         | 1869                |
| Potts, James McC.....      | Belleville... ..        | 1888                |
| Price, Robinson B.....     | Bath.....               | 1871                |
| Purdy, Charles W.....      | Chicago.....            | 1869                |
| Reid, John D.....          | Cardinal.....           | 1890                |
| Rourke, Francis.....       | Dublin, Ont.....        | 1867                |
| Scott, William H. S.....   | Southampton.....        | 1890                |
| Spear, Hugh.....           | Toronto.....            | 1868                |
| Stark, Alexander.....      | Berwick.....            | 1880                |
| Stewart, Alexander J.....  | Angus.....              | 1869                |
| Symington, T.....          | Camlachie.....          | 1881                |
| Tait, Stewart.....         | Kingston, Jamaica.....  | 1890                |
| Thibodo, Robert.....       | (Deceased) .....        | 1868                |
| Tillman, Harry G....       | Kingston, Jamaica ..... | 1889                |
| Van Allen, J. R.....       | Kansas City.....        | 1870                |
| Vanvlack, Gilbert.....     | (Deceased).....         | 1870                |
| Wafer, Francis W.....      | (Deceased).....         | 1861                |
| Wilson, Charles J. C.....  | Montreal.....           | 1869                |
| Young, David.....          | Lower Fort Garry, Man.. | 1877                |

## § ALUMNI.

OF NOT LESS THAN TWO YEARS' STANDING.

Names marked with an asterisk are names of clergymen.

| Name.                        | Date of<br>First Registration. | Address.             |
|------------------------------|--------------------------------|----------------------|
| Allan, Andrew .....          | 1844....                       | Balderson's Corners. |
| *Allan, William .....        | 1882....                       | Newburgh.            |
| *Andrew, Joseph .....        | 1879....                       |                      |
| *Baillie, Robert .....       | 1889....                       |                      |
| Bain, William R. ....        | 1858....                       | Montreal.            |
| *Ball, William S. ....       | 1842....                       | Vanneck.             |
| *Barr, John .....            | 1857....                       | (Deceased).          |
| Bamford, Frederick J .....   | 1876....                       | Winnipeg.            |
| Bawden, J. R. ....           | 1855....                       | Kingston.            |
| *Bennet, James, B.A. ....    | 1881....                       | L'Orignal.           |
| Bertram, Thomas .....        | 1880....                       | Dundas.              |
| Bethune, Alexander .....     | 1886....                       |                      |
| Bethune, James, Q.C. ....    | 1856....                       | (Deceased).          |
| Bethune, William S. ....     | 1879....                       | Wingham.             |
| Booth, Jackson C. ....       | 1882....                       | Ottawa.              |
| Booth, John F. ....          | 1883....                       | Ottawa.              |
| *Borthwick, H. J. ....       | 1855....                       | Morden, Man.         |
| Boyle, Thomas .....          | 1887....                       | Gananoque            |
| Bristol, Emily F .....       | 1886....                       | Napanee              |
| Brokenshire, William H. .... | 1885....                       | Tokiyo, Japan.       |
| Brownell, James E. ....      | 1877....                       | Avonmore.            |
| Bruce, David A. J. ....      | 1886....                       |                      |
| Bruce, Edward W. ....        | 1886....                       | Toronto.             |
| Burger, Charles M. ....      | 1886....                       | Hudson, Que.         |
| *Byers, Henry .....          | 1848....                       | (Deceased).          |
| Callaghan, Etta .....        | 1888....                       | Kingston.            |
| Calvin, H.A. ....            | 1868....                       | Garden Island.       |
| *Camelon, David .....        | 1853....                       | Maple                |
| Camelon, John M. ....        | 1885....                       | Maple                |
| Cameron, A H, B.A. ....      | 1869....                       | Nimitan, Man.        |
| Cameron, John S .....        | 1889....                       | Wellington.          |
| *Cameron, Hugh .....         | 1856....                       | (Deceased).          |
| *Cameron, J. J., M.A. ....   | 1871....                       | Woodlands.           |
| *Campbell, Charles A. ....   | 1887....                       | Maple.               |
| Campbell, John R. ....       | 1879....                       | Wingham.             |
| Cargill, Henry .....         | 1856....                       | Cargill.             |

§ The Registrar will be much obliged for notices of additions or corrections to this list.

| Name.                           | Date of<br>First Registration. | Address.                |
|---------------------------------|--------------------------------|-------------------------|
| *Carmichael, James, B.A.....    | 1858....                       | Norwood.                |
| *Carmichael, James.....         | 1854....                       | Strange.                |
| Cartwright, Madeline L.....     | 1889....                       | Kingston.               |
| Chambers, John N.....           | 1875....                       | Woodstock, O.           |
| *Chambers, W. W.....            | 1871....                       | Erzeroum, Turkey.       |
| Chown, Alice A.....             | 1887....                       | Kingston.               |
| Clapp, David P.....             | 1873....                       | Harrison, O.            |
| Coleman, W. W.....              | 1886....                       | Seeley's Bay.           |
| Cook, William.....              | 1858....                       | Quebec                  |
| *Crawford, Angus.....           | 1869....                       |                         |
| Curtis, Henry H.....            | 1887....                       | Montreal.               |
| Dickson, Edwin H.....           | 1867....                       | Waco, Texas.            |
| *Dodds, James A.....            | 1886....                       | Chicago.                |
| *Doudiet, C. A.....             | 1866....                       | Buckingham.             |
| Douglas, John J.....            | 1881....                       |                         |
| *Dow, James.....                | 1882....                       |                         |
| Drummond, Robert J.....         | 1855....                       | Perth.                  |
| Duff, John M.....               | 1872....                       | Parkdale.               |
| Duff, John.....                 | 1850....                       | Kingston.               |
| Dunning, Harry N.....           | 1883....                       |                         |
| Dunning, Jessie.....            | 1880....                       |                         |
| Edwards, John W.....            | 1886....                       |                         |
| Elmore, Minor M.....            | 1875....                       | (Deceased).             |
| Farnden, Hunter R.....          | 1842....                       |                         |
| Farrell, Jenny (Mrs. Dyde)..... | 1884....                       | Kingston.               |
| *Ferguson, John, B.A.....       | 1858....                       | Maple Valley, Man.      |
| Flanigan, John.....             | 1858....                       | Chicago.                |
| Folger, Marion.....             | 1884....                       | Kingston.               |
| *Forrest, David.....            | 1879....                       | Bayfield                |
| *Fraser, John.....              | 1888....                       | Big Bras D'Or.          |
| Fraser, Nutting S.....          | 1881....                       | St. John's, Newfld.     |
| Fraser, Francis H.....          | 1883....                       | (Deceased).             |
| Gahan, Percy A.....             | 1886....                       | Windfall.               |
| Galbraith, Malcolm C.....       | 1853....                       | Bowmanville.            |
| Gandier, Daniel McG.....        | 1887....                       | Belleville.             |
| Garrett, William R.....         | 1884....                       |                         |
| *Gerrior, John P.....           | 1884....                       |                         |
| Gibson, Sara.....               | 1888....                       | Kingston.               |
| *Goodwill, John.....            | 1858....                       | Charlottetown, P. E. I. |
| Goodwin, Antoinette E.....      | 1884....                       | Studley, Halifax.       |
| Goodwin, Ernest P.....          | 1884....                       | Cape Tormentine, N. B.  |
| Gordon, Robert A.....           | 1882....                       |                         |
| *Gray, James M.....             | 1861....                       | Stirling.               |
| Greaves, Jennie H.....          | 1880....                       | Kingston.               |
| Hamilton, Clark.....            | 1848....                       | Kingston.               |



| Name.                         | Date of<br>First Registration. | Address.          |
|-------------------------------|--------------------------------|-------------------|
| Hamilton, John.....           | 1844....                       | Sault Ste. Marie. |
| Hamilton, Max. G.....         | 1882....                       | Hudson Bay Co.    |
| Hamilton, William.....        | 1858....                       |                   |
| Head, John.....               | 1884....                       | Lindsay.          |
| Hendry, Thomas.....           | 1868....                       | California.       |
| Herald, Charles L.....        | 1880....                       |                   |
| Hobart, S. W.....             | 1879....                       | Kingston.         |
| Hooper, John G.....           | 1879....                       | Kingston.         |
| Hooper, Vere G.....           | 1880....                       | Kingston.         |
| *Hyland, David J.....         | 1881....                       | Fitzroy Harbour.  |
| Ireland, Alexander H.....     | 1866....                       | Toronto.          |
| Ireland, James O.....         | 1850....                       | Toronto.          |
| Ireland, William.....         | 1850....                       | Chatham, O.       |
| Irvine, Richard W.....        | 1878....                       |                   |
| Irving, Lilla B.....          | 1884....                       | Riverside, Cal.   |
| Jackson, Nelson.....          | 1883....                       |                   |
| Johnston, William.....        | 1878....                       |                   |
| *Kellock, David.....          | 1878....                       | Spencerville.     |
| King, Mary A.....             | 1888....                       | Kingston.         |
| Kirkwood, Daniel H.....       | 1883....                       |                   |
| *Lamont, Hugh, D.D.....       | 1861....                       | Marsden, Que.     |
| Lane, Morgan.....             | 1863....                       | Clayton, O.       |
| *Legere, Prosper L.....       | 1856....                       | (Deceased).       |
| Lochhead, Lydia A.....        | 1885....                       |                   |
| Malloy, William.....          | 1865....                       |                   |
| Maxwell, John.....            | 1887....                       | Alton.            |
| *Miller, David.....           | 1884....                       | Brussels.         |
| Mills, James McV.....         | 1884....                       | Elsinore, Cal.    |
| Minnes, James A.....          | 1885....                       | Kingston.         |
| Moir, Robert.....             | 1878....                       |                   |
| Motherwell, James W.....      | 1873....                       | Perth.            |
| *Muckleston, W. J.....        | 1864....                       | Ottawa.           |
| *Mullan, Elias.....           | 1861....                       | Kilsyth, Ont.     |
| *Mullan, J. B.....            | 1856....                       | Fergus.           |
| *Mullan, J. S.....            | 1854....                       | Nashwaak, N. B.   |
| Mulock, William R.....        | 1865....                       | Winnipeg.         |
| *Munro, Donald G.....         | 1880....                       | Deloraine, Man.   |
| Macalister, Lachlan, M.D..... | 1861....                       | Duntroon.         |
| Macdonald, H. J.....          | 1865....                       | Winnipeg.         |
| McArthur, Charles.....        | 1879....                       |                   |
| McArthur, John M.....         | 1878....                       | Chicago.          |
| *McColl, Angus.....           | 1842....                       | Chatham, O.       |
| McDonnell, Allen.....         | 1885....                       |                   |
| McEwen, Thomas.....           | 1883....                       |                   |
| *McKay, Norman T. C.....      | 1883....                       | Summerstown.      |

| Name.                        | Date of<br>First Registration. | Address.             |
|------------------------------|--------------------------------|----------------------|
| McDonald, William.....       | .....                          | (Deceased).          |
| *McEachern, Charles.....     | 1873....                       | Inverness, Scotland. |
| *McEachern, Duncan.....      | 1869....                       | Dundee Centre, Q.    |
| McGeachy, William, M.D.....  | 1861....                       | Fingal, O.           |
| *McGillivray, Alexander..... | 1871....                       | Toronto.             |
| McGregor, Alexander.....     | 1862....                       | Williamstown.        |
| McIntosh, Hugh .....         | 1876....                       |                      |
| McIntyre, Andrew B.....      | 1887....                       | (Deceased).          |
| *McIntyre, C. E.....         | 1863....                       | Oshawa.              |
| McKay, Daniel C. ....        | 1889....                       | Lake Ainslin, C. B.  |
| McKenzie, John J.....        |                                |                      |
| *McKinnon, John.....         | 1842....                       | (Deceased).          |
| *McLaren, Archibald.....     | 1878....                       | Springfield, Man.    |
| McLean, Archibald B.....     | 1865 ...                       | Smith's Falls.       |
| McLean, Donald, M.D.....     | 1855....                       | Ann Arbor, Mich.     |
| McLean, Donald A.....        | 1877....                       |                      |
| McLean, John.....            | 1874....                       | (Deceased).          |
| McLennan, Duncan L.....      | 1887....                       | Kincardine.          |
| McLennan, Neil K.....        | 1888....                       | Middle River, C. B.  |
| *McLeod, Alexander K .....   |                                | Brighton.            |
| *McMillan, George, B.A.....  | 1875....                       | Princetown, P. E. I. |
| McNab, Frank.....            | 1880....                       | Kingston.            |
| McNaughton, Alexander.....   | 1888....                       | Gananoque.           |
| McNaughton, Alexander K..... | 1887....                       | Chicago.             |
| *McNeil, John.....           | 1880....                       | Langford.            |
| McNutt, George A.....        | 1878....                       |                      |
| *McPherson, Lachlan.....     | 1842....                       | (Deceased).          |
| *McRossie, Allan.....        | 1880....                       | Corona, N. J.        |
| McRossie, Hattie.....        | 1887...                        | Kingston.            |
| Nelson, John.....            | 1887....                       | Bear Brook.          |
| North, Edwin.....            | 1886....                       |                      |
| Ovens, Rufus K.....          | 1879....                       | Wilton.              |
| *Paul, James T.....          | 1842....                       | (Deceased).          |
| Percival, Herbert A.....     | 1886....                       |                      |
| Pollock, John R.....         | 1877....                       | (Deceased).          |
| *Porteous, George.....       | 1854....                       | Kingston.            |
| Pratt, Abraham A.....        | 1879....                       |                      |
| Purdy, Mary E. F.....        | 1886....                       |                      |
| Purdy, Victor M.....         | 1886....                       | Sydenham.            |
| Renton, Thomas T.....        | 1879....                       | Kingston.            |
| Richards, Salt.....          | 1883....                       |                      |
| Riddell, Alexander F.....    | 1867....                       | Montreal.            |
| *Robertson, John. ....       | 1884....                       | Hopewell, N. S.      |
| Robertson, John D.....       | 1881....                       | Tarrawonga, Vic.     |
| Roddick, James A.....        | 1887....                       | Lyndhurst.           |

| Name.                        | Date of<br>First Registration. | Address.             |
|------------------------------|--------------------------------|----------------------|
| Ross, Irvine .....           | 1866....                       | (Deceased).          |
| *Ross, Archibald.....        | 1872....                       | New York.            |
| *Ross, Donald.....           | 1853....                       | Portland, Oregon.    |
| *Ross, Hugh.....             | 1884....                       |                      |
| Ross, K. J. Livingstone..... | 1879....                       | Portland, Oregon.    |
| Ross, Thomas B.....          | 1886....                       | Montreal.            |
| Roy, Henry.....              | 1880....                       | Chisholm, P. E. I.   |
| Shanks, William J.....       | 1879....                       | Chicago.             |
| Sherlock, John M.....        | 1879....                       | Kingston.            |
| *Shore, Godfrey.....         | 1881....                       | St. John, N. B.      |
| Smith, Frederick.....        | 1852....                       | (Deceased).          |
| Smith, James.....            | 1877....                       | Toronto.             |
| Smith, Robert L.....         | 1879....                       | Appleton.            |
| *Smith, William.....         | 1877....                       | Centreville.         |
| *Smith, Thomas G., D.D.....  | 1847....                       | Kingston.            |
| *Snodgrass, John A.....      | 1868....                       | Scotland.            |
| *Strachan, Donald.....       | 1865....                       | Rockwood.            |
| Strange, O. S., M.D.....     | 1842....                       | Kingston.            |
| Stewart, Alexander S.....    | 1878....                       | (Deceased).          |
| Stewart, Daniel.....         | 1883....                       | (Deceased).          |
| Stewart, William R.....      | 1887....                       | Notre D. deLans, Q.  |
| *Sym, F. Petry.....          | 1884....                       | Warton.              |
| *Taft, J. N.....             | 1877....                       | Brooklyn, N. Y.      |
| *Taylor, Hugh.....           | 1873....                       | Pakenham.            |
| Telgmann, Heinrich B.....    | 1887....                       | Kingston.            |
| *Thom, Leslie W.....         | 1877....                       | Arthur, O.           |
| Thomas, Henry P.....         | 1882....                       | Belleville.          |
| Thomson, Andrew W.....       | 1879....                       | Winnipeg.            |
| Townsend, Thomas.....        | 1883....                       |                      |
| Twitchell, Marshall C.....   | 1887....                       |                      |
| Varcoe, George F.....        | 1886....                       | Fenelon Falls.       |
| Waldron, Edward W.....       | 1889....                       | Kingston.            |
| Walkem, Hugh.....            | 1875....                       | Spence's Bdg., B. C. |
| Walkem, Walter C. A.....     | 1886....                       | (Deceased).          |
| *Wallace, Robert.....        | 1842....                       | Toronto.             |
| Ward, David.....             | 1850....                       | Almonte.             |
| Watson, Angus R.....         | 1885....                       |                      |
| Welch, Frederick.....        | 1867....                       | Kingston.            |
| *Wilkins, T. W., B.A.....    | 1863....                       | Trenton.             |
| Wilson, Daniel A.....        | 1886....                       | Kingston.            |
| Wright, Henry A.....         | 1879....                       | Toronto.             |
| Young, William R.....        | 1886....                       | Adolphustown.        |
| Yourex, Edmund L.....        | 1887....                       | Kingston.            |



## Junior Latin.

### FIRST PAPER.

*Examiner :* MR. NICHOLSON.

#### I.

Translate :

(a) Interim ab Roma legatos venisse nuntiatum est. quibus obviam ad mare missi ab Hannibale, qui dicerent nec tuto eos adituros inter tot tam effrenatarum gentium arma, nec Hannibali in tanto discrimine rerum operae esse legationes audire. apparebat non admissos protinus Carthaginem ituros. literas igitur nuntiosque ad principes factionis Barcinae praemittit, ut praepararent suorum animos, ne quid pars altera gratificari populo Romano posset.

(b) Itaque nocte insequenti, cum praesidium castrorum et quod relicum sauciorum ex magna parte militum erat ratibus Trebiam trajicerent, aut nihil sensere obstrepente pluvia aut, quia iam moveri nequibant prae lassitudine ac vulneribus, sentire sese dissimularunt; quietisque Poenis tacito agmine ab Scipione consule exercitus Placentiam est perductus, inde Pado traiectus Cremonam, ne duorum exercituum hibernis una colonia premeretur.

Livy, B. XXI.

1. Parse (a) *adituros, apparebat, posset*; (b) *trajicerent, sensere, nequibant, premeretur*.

2. State the syntax of (a) *venisse, quibus, dicerent, operae, quid*; (b) *pluvia, Poenis, agmine, premeretur*.

3. Describe the circumstances that brought about the battle of the Trebia.

#### II.

Translate :

O nata mecum consule Manlio,  
Seu tu querelas sive geris jocos  
Seu rixam et insanos amores  
Seu facilem, pia testa, somnum;  
Quocunque lectum nomine Massicum  
Servas, moveri digna bono die,  
Descende Corvino jubente  
Promere languidiora vina.

Non ille, quamquam Socraticis madet  
 Sermonibus, te negleget horridus:  
     Narratur et prisci Catonis  
         Sæpe mero caluisse virtus.  
 Tu lene tormentum ingenio admoves  
 Plerumque duro; tu sapientium  
     Curas et arcanum jocosio  
         Consilium retegis Lyæo;  
 Tu spem reducis mentibus anxiis,  
 Viresque et addis cornua pauperi  
     Post te neque iratos trementi  
         Regum apices neque militum arma.

Horace, *Odes* III.

1. Parse *nata*, *moveri*, *promere*, *negleget*, *retegis*, *addis*.
2. State the syntax of *consule*, *moveri*, *die*, *promere*, *sermonibus*, *apices*.
3. Write notes on *Manlio*, *descende*, *Corvino*, *Socraticis sermonibus*, *prisci Catonis*, *cornua*.
4. Give the scansion of this ode.
5. Translate and explain where necessary :
  - (a) Contracta pisces aequora sentiunt  
Jactis in altum molibus.
  - (b) Aurum irreperitum et sic melius situm,  
Quum terra celat, spernere fortior  
Quam cogere humanos in usus.
  - (c)                   diffidit urbium  
Portas vir Macedo, et subruit aemulos  
Reges muneribus.
  - (d) Non omnis moriar, multaque pars mei  
Vitabit Libitinam.







## Junior Latin.

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### SECOND PAPER.

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*Examiner :* MR. NICHOLSON.

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#### I.

1. Decline in full *eques, manus, dies, ego, se, uter*.
2. Compare *similis, malus, dives, ferox, arduus, benevolus*.
3. Give the principal parts of *vivo, morior, infero, augeo, fluo, tango*.
4. Distinguish the use of the genitive with *similis* from that of the dative. Illustrate.
5. What substitute is there for the future infinitive, when there is no participle in *-rus*? Illustrate.
6. Illustrate the change of mood in main and subordinate sentences when *oratio recta* passes into *oratio obliqua*.

#### II.

Translate into Latin :

1. It was evident to everybody that the victory had cost our army much blood.
2. The citizens declared that there was no danger of the enemy's taking their city.
3. There is no doubt that the eloquent Cicero was butchered by a brutal assassin.
4. He said it was difficult to learn whether our men or the enemy had won the day.
5. I fear that we have lost the city ; it remains for us to retake it, if we can.
6. Use your advantages and I have no doubt you will conquer.

### III.

Translate at sight :

Dum ad Antium haec geruntur, interim Æqui, robore juven-  
tutis praemisso, arcem Tusculanam improvise nocte capiunt.  
Reliquo exercitu haud procul moenibus Tusculi considunt, ut  
prohiberent hostium copias. Haec celeriter Romam, ab Româ in  
castra Antium, perlata, movent Romanos haud secus, quam si  
Capitolium captum nunciaretur; adeò et recens erat Tusculano-  
rum meritum, et similitudo ipsa periculi reposcere datum auxilium  
videbatur. Fabius, omissis omnibus, praedam ex castris raptim  
Antium convehit. Ibi modico praesidio relicto, citatum agmen  
Tusculum rapit; nihil praeter arma, et quod cocti ad manum fuit  
cibi, ferre militi licuit.





## Senior Latin.

### FIRST PAPER.

*Examiner :* MR. FLETCHER.

A.

Translate :

- (a) O decus Italiae virgo, quas dicere grates  
quasve referre parem? sed nunc, est omnia quando  
iste animus supera, mecum partire laborem.  
Aeneas, ut fama fidem missique reportant  
exploratores, equitum levia improbus arma  
praemisit, quaterent campos; ipse ardua montis  
per deserta iugo superans adventat ad urbem.  
furta paro belli convexo in tramite silvae,  
ut bivias armato obsidam milite fauces.  
tu Tyrrhenum equitem conlatis excipe signis;  
tecum acer Messapus erit turmaeque Latinae  
Tiburtique manus, ducis et tu concipe curam.

Vergil, *Aeneid*, B. XI.

- (b) “ Nulla dies pacem hanc Italis nec foedera rumpet,  
quo res cumque cadent; nec me vis ulla volentem  
avertet, non, si tellurem effundat in undas  
diluvio miscens caelumque in Tartara solvat;  
ut sceptrum hoc ” (dextra sceptrum nam forte gerebat)  
“ numquam fronde levi fundet virgulta nec umbras,  
cum semel in silvis imo de stirpe recisum  
matre caret posuitque comas et braccia ferro,  
olim arbos, nunc artificis manus aere decoro  
inclusit patribusque dedit gestare Latinis.”

Ibid, B. XII.

1. Parse (giving principal parts) *partire, obsidam, conlatis, rumpet, cadent, miscens, recisum, caret*.
2. Explain the syntax of *parem, quaterent, signis, Italis, solvat*.
3. *Dicere grates, referre grates*. Give the ordinary Latin.
4. Scan the first two lines of extract (b), marking the quantity of each syllable.
5. Write notes on *Maecenas, Ausonia terra, Sidonia Dido, Saturnia regna, Penthisilea*.

6. Et nunc ille quidem spe multum captus inani  
fors et vota facit cumulatque altaria donis :  
nos iuvenem exanimum et nil iam caelestibus ullis  
debentem vano maesti comitamur honore.

Explain fully, without translating, the meaning of these lines. Quote in illustration from the *In Memoriam*.

OR,

“What Vergil aims at in his similes is something quite different from what the modern poet aspires to” (Sidgwick). Explain.

B.

Translate :

(a) Quaero autem quid sit cur aut ego aut quisquam vestrum, patres conscripti, bonis tribunis plebi leges malas metuat. Paratos habemus qui intercedant: paratos qui rem publicam religione defendant: vacui metu esse debemus. Quas tu mihi, inquit, intercessionem, quas religiones? Eas scilicet, quibus rei publicae salus continetur. Negligimus ista et nimis antiqua ac stulta ducimus. Cicero, *Philippic I*.

(b) Profectus est aliquando tandem in Hispaniam: sed tuto, ut ait, pervenire non potuit. Quonam modo igitur Dolabella pervenit? Aut non suscipienda fuit ista causa, Antoni, aut, quum suscepisses, defendenda usque ad extremum. Ter depugnavit Caesar cum civibus, in Thessalia, Africa, Hispania. Omnibus adfuit his pugnis Dolabella: in Hispaniensi etiam vulnus accepit. Si de meo iudicio quaeris, nollem. Sed tamen consilium a primo reprehendendum, laudanda constantia. Tu vero quid es? Cn. Pompeii liberi tum primum patriam repetebant. Esto: fuerit haec partium causa communis. Repetebant praeterea deos patrios, aras, focos, larem suum familiarem, in quae tu invaseras. Haec quum peterent armis ii, quorum erant legibus, etsi in rebus iniquissimus quid potest esse aequi? tamen quem erat aequissimum contra Cn. Pompeii liberos pugnare, quem? Te, sectorem.

Id., *Phil. II*.

1. Explain the syntax of *sit, vestrum, tribunis, intercedant, quibus, pugnis, nollem, fuerit, peterent, quorum*.
2. *Religiones; antiqua ac stulta*. Explain.
3. *Ter.....Hispania*. Explain fully.
4. What are the main charges in the *First Philippic* against Antony's administration?
5. Write notes on *sestertium ducentiens, duo Arpinates, cui bono, tertia hora, Atticus*.
6. State the main rules of Latin *oratio obliqua*.







Senior Latin.

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SECOND PAPER.

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*Examiner:* MR. FLETCHER.

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I.

Translate into Latin :

(a) If you had ordered the soldiers to desist from butchering the vanquished, you would have been obeyed.

(b) Are you not ashamed and penitent for the desertion of your friend ?

(c) In proportion to a man's apparent meanness will be his severity in pronouncing judgment.

(d) I heard that he stayed at Lucca from March 3rd until April 21st, and that then he crossed from Lucca to Athens.

(e) He said that it was of the utmost consequence to the country what they did ; let them remember the ancestors from whom they were sprung (*or. obl.*)

II.

Translate into Latin :

He imagined, Sir, that in this way he would best recommend himself to men of his own stamp. He thought that, by declaring war upon me, he would show himself not only *my* enemy but his country's ; that by attacking me, he would secure a passport for himself to the hearts of the disloyal. But what charge did he bring against me ? In the first place, that I was guilty of ingratitude. This, I consider a most grave accusation and I will answer it first. In what was I ungrateful ? After accepting kindness at his hands, I opposed his candidature. What was

the kindness? His giving me my life when he might have taken it away. But if that had been a kindness, our glorious liberators would not have earned the distinction they have earned. For did they not take away his life from a tyrant who had given them their own?

### III.

Translate at sight:

#### THE RIGHTS OF PROPERTY.

In primis autem videndum erit ei, qui rempublicam administrabit, ut suum quisque teneat, neque de bonis privatorum publice diminutio fiat. Perniciose enim Philippus in tribunatu, cum legem agrariam ferret, (quam tamen antiquari facile passus est, et in eo vehementer se moderatum præbuit) sed cum in agendo multa populariter, tum illud male, non esse in civitate duo milia hominum qui rem haberent. Capitalis oratio, et ad æquationem bonorum pertinens: qua peste quæ potest esse major? Hanc enim ob causam maxime, ut sua tenerent, respublicæ civitatesque constitutæ sunt. Nam etsi duce natura congregabantur homines, tamen spe custodiæ rerum suarum urbium præsidia quaerebant,

Cicero, *De Officiis*.

Antiquo, *reject*. Res, *property*. Capitalis, *dangerous*.





## Junior Greek.

### FIRST PAPER.

Examiner : MR. NICHOLSON.

#### I.

Translate :

Ταύτην μὲν οὖν τὴν ἡμέραν αὐτοῦ ὑπὸ λίζοντο ἐπὶ τοῦ αἰγιαλοῦ πρὸς τῷ λιμένι. τὸ δὲ χωρίον τοῦτο δὲ καλεῖται Κάλπης λιμὴν ἔστι μὲν ἐν τῇ Θράκῃ τῇ ἐν τῇ Ἀσίᾳ· ἀρξ-αμένη δὲ ἡ Θράκη αὕτη ἐστὶν ἀπὸ τοῦ στόματος τοῦ Πόντου μέχρι Ἑρακλείας ἐπὶ δεξιὰ εἰς τὸν Πόντον εἰσπλέοντι. καὶ τριῆρει μὲν ἐστὶν εἰς Ἑράκλειαν ἐκ Βυζαντίου κώπαις ἡμέρας μακρᾶς πλοῦς· ἐν δὲ τῷ μέσῳ ἄλλη μὲν πόλις οὐδεμία οὔτε φιλία οὔτε Ἑλληνίς, ἀλλὰ Θράκες Βιθυνοί· καὶ οὓς ἂν λάβωσι τῶν Ἑλλήνων ἐκπίπτοντας ἢ ἄλλως πως δεινὰ ὑβρίζειν λέγονται τοὺς Ἑλληνας.

Xenophon, Anab., VI.

1. Parse ὑπὸ λίζοντο, ἀρξαμένη, εἰσπλέοντι, λάβωσι, ἐκπίπτοντας, λέγονται.

2. State the syntax of ἡμέραν, κώπαις, ἡμέρας, Ἑλλήνων.

3. λάβωσι. Give the two forms of indefinite frequency, and mention the time they cover.

4. What importance attaches to Kalpe in the history of the Ten Thousand ?

#### II.

Translate :

ὣς φάτ' Ἀθηναίη κόρυς Λιός· οὐδ' ἄρ' ἔτι δὴν Τηλέμαχος παρέμμενεν, ἐπεὶ θεοῦ ἔκλυεν αὐδὴν.  
βῆ δ' ἰέναι πρὸς δῶμα φίλον τετιμημένος ἦτορ,  
εὔρε δ' ἄρα μνηστῆρας ἀγῆνορας ἐν μεγάροισιν  
αἰγας ἀνιεμένους σιάλους θ' εὖοντας ἐν αὐλῇ.  
Ἀντίνοος δ' ἰθὺς γελάσας κίε Τηλεμάχοιο,



ἐν τ' ἄρα οἱ φῶ χειρὶ, ἔπος τ' ἔφατ' ἔκ τ' ὀνόμαζεν·  
 “ Τηλέμαχ' ὕφατόρη, μένος ἄσχετε, μή τί τοι ἄλλο  
 ἐν στήθεσσι κακὸν μελέτω ἔργον τε ἔσπς τε,  
 ἀλλὰ μοι ἐσθιέμεν καὶ πινέμεν, ὥς τὸ πάρος περ.  
 ταῦτα δέ τοι μάλα πάντα τελευτήσουσιν Ἀχαιοί,  
 νῆα καὶ ἐξαίτους ἐρέτας, ἵνα θῆσσαν ἵκηαι  
 ἐς Πύλον ἡγαθήην μετ' ἀγανοῦ πατρὸς ἀκουήν.”

Homer, *Odyssey*, B. II.

1. Parse *παρέμμενεν*, *βῆ*, *εὔρε*, *ἀνιεμένους*, *φῶ*, *ἐσθιέμεν*, *πινέμεν*, *ἵκηαι*.
2. Give the Attic corresponding to the Epic forms in this extract.
3. Scan the first four lines.
4. Give an outline of this book.

### III.

Translate :

δώσει γὰρ εἰσελθόντι μαντεῖον τόδε  
 Εὐόθῳ τὸν αὐτοῦ παῖδα, καὶ πεφυκέναι  
 κείνου σφε φήσει, μητρὸς ὥς ἐλθὼν δόμους  
 γνωσθῇ Κρεοῦσῃ, καὶ γάμοι τε Λοξίου  
 κρυπτοὶ γένωνται, παῖς τ' ἔχῃ τὰ πρόσφορα.  
 ἀλλ' εἰς δαφνώδη γύαλα βήσομαι τάδε,  
 τὸ κρανθὲν ὥς ἂν ἐκμάθω παιδὸς πέρι.  
 ὁρῶ γὰρ ἐκβαίνοντα Λοξίου γόνον  
 τόνδ', ὥς πρὸ ναοῦ λαμπρὰ θῇ πυλῶματα  
 δάφνης κλάδοισιν. ὄνομα δ' οὐ μέλλει τυχεῖν  
 \*Ἴων' ἐγὼ σφε πρῶτος ὀνομάζω θεῶν.

Euripides, *Ion*.

1. Parse *δώσει*, *πεφυκέναι*, *γνωσθῇ*, *γένωνται*, *ἐκμάθω*, *τυχεῖν*.
2. *τὰ πρόσφορα*. To what does this refer?
3. Write out the story of *Ion*.





## Junior Greek.

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### SECOND PAPER.

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*Examiner :* MR. NICHOLSON.

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#### I.

1. Decline *δεσπότης, ὕδωρ, λιμήν, Ζεύς.*
2. Compare *σοφός, ἡδύς, αἰσχροός, μέλας, εὐδαίμων.*
3. Give the principal tenses of *πίνω, ἰκνέομαι, ἄγω, αἰρέω, ὁράω, πάσχω, λαμβάνω.*
4. Give the verbs that have the 1st Aorist in *-χα*. Inflect the Ind. Act. in all numbers, and give one form in the other moods.
5. Distinguish between the primary and secondary tenses. What is the value of this distinction?
6. Give, with examples, the principal uses of the Greek article.

#### II.

Translate into Greek :

1. The messengers reported that the cavalry of the enemy were approaching at full speed.
2. People said that the philosophers would be banished by the authorities.
3. They said they would wait till the envoys arrived.
4. Whenever the robbers descended from the hills, the farmers fled to the city.
5. No Greek fears that our men will not defeat the Persians.
6. If he had had a stronger fleet, he would have taken all the islands.

### III.

Translate at sight :

Ταύτην δ' αὖ τὴν ἡμέραν ὑβλίσθησαν ἐν ταῖς κόμαις  
ταῖς ὑπὲρ τοῦ πεδίου τοῦ παρὰ τὸν Κεντρίτην ποταμόν, ὃς  
ὀρίζει τὴν Ἀρμενίαν καὶ τὴν τῶν Καρδούχων χώραν.  
ἀπεῖχε δὲ τῶν ὁρέων ὁ ποταμὸς ἕξ ἢ ἑπτὰ στάδια. τότε  
μὲν οὖν ὑβλίσθησαν μάλα ἡδέως καὶ τὰπιτήδεια ἔχοντες καὶ  
πολλὰ τῶν παρελγλυθόντων πόνων μνημονεύοντες. ἑπτὰ γὰρ  
ἡμέρας ὅσασπερ ἐπορεύθησαν διὰ τῶν Καρδούχων πάσας  
μαχόμενοι διετέλεσαν, καὶ ἔπαθον κακὰ ὅσα οὐδὲ τὰ σύμ-  
παντα ὑπὸ βασιλέως καὶ Τισσαφέρνους.



## Senior Greek.

### FIRST PAPER.

*Examiner* : MR. MACNAUGHTON.

#### I.

Translate :

(α) Τοῦ δ' αὐτοῦ χειμῶνος οἱ Ποτειδεῦται, ἐπειδὴ οὐκέτι ἐδύναντο πολιορκούμενοι ἀντέχειν, ἀλλ' αἷ τε ἐς τὴν Ἀττικὴν ἐσβολαὶ Πελοποννησίων οὐδὲν μᾶλλον ἀπανίστασαν τοὺς Ἀθηναίους, ὃ τε σῆτος ἐπελελοίπει, καὶ ἄλλα τε πολλὰ ἐπεγεγένητο αὐτόθι ἤδη Βρώσεως πέρι ἀναγκαίας καὶ τινες καὶ ἀλλήλων ἐγέγευντο, οὕτω δὲ λόγους προσφέρουσι περὶ ξυμβάσεως τοῖς στρατηγοῖς τῶν Ἀθηναίων τοῖς ἐπὶ σφίσι τεταγμένοις, Ξενοφῶντί τε τῷ Εὐριπίδου καὶ Ἐστιοδώρῳ τῷ Ἀριστοκλείδου καὶ Φανοράχῳ τῷ Καλλιμάχου. οἱ δὲ προσεδέξαντο, ὁρῶντες μὲν τῆς στρατιᾶς τὴν τالαιπωρίαν ἐν χωρίῳ χειμερινῷ, ἀνηλωκυίας τε ἤδη τῆς πόλεως δισχίλια τάλαντα ἐς τὴν πολιορκίαν. ἐπὶ τοῖσδε οὖν ξυνέβησαν, ἐξελθεῖν αὐτοὺς καὶ παῖδας καὶ γυναῖκας δὲ ξὺν θυοῖν, καὶ ἀργύριόν τι ῥητὸν ἔχοντας ἐφόδιον.

(β) ὁμῶν δὲ οὐδ' ἡ ἀπειρία τοσοῦτον λείπεται ὅσον τόλμῃ προέχετε· τῶνδε δὲ ἡ ἐπιστήμη, ἣν μάλιστα φοβεῖσθε, ἀνδρείαν μὲν ἔχουσα καὶ μνήμην ἔξει ἐν τῷ δεινῷ ἐπιτελεῖν ἃ ἔμαθεν, ἄνευ δὲ εὐψυχίας οὐδεμία τέχνη πρὸς τοὺς κινδύνους ἰσχύει. φόβος γὰρ μνήμην ἐκπλήσσει, τέχνη δὲ ἄνευ ἀλκῆς οὐδὲν ὠφελεῖ. πρὸς μὲν οὖν τὸ ἐμπειρότερον αὐτῶν τὸ τολμηρότερον ἀντιτάξασθε, πρὸς δὲ τὸ διὰ τὴν ἥσσαν δεδιέναι τὸ ἀπαράσκευοι τότε τυχεῖν.

Thucydides, B. II.



1. Parse ἐπελελοίπει, ἐγέγευντο, ἀνηλωκυίας, ἔμαθεν, ἀντιτάξασθε.

2. Turn into Indirect Narration :—ὁμῶν δὲ οὐδ' ἡ ἀπειρία—ἰσχύει.

3. Give an account of the Plague at Athens, and of its effect upon Athenian morals.

## II.

Translate :

(α) Λύκει' ἀναξ, τά τε σὰ χρυσοστρόφων ἀπ' ἀγκυλῶν  
βέλεα θέλοιμ' ἂν ἀδάματ' ἐνδατεῖσθαι  
ἀρωγὰ προσταθέντα, τὰς τε πυρφόρους  
'Αρτέμιδος αἰγλας, ξὺν αἷς Λύκί' ὄρεα διάσσει·  
τὸν χρυσομίτραν τε κικλήσκω,  
τᾶσδ' ἐπώνυμον γᾶς,  
οἶνῶπα Βάκχον εὖιον,  
Μαινάδων ὁμόστολον,  
πελασθῆναι φλέγοντ'  
ἀγλαῶπι \* \* \*  
πεύκῃ πὶ τὸν ἀπότιμον ἐν θεοῖς θεόν.

(β) ΑΓ. λύω σ' ἔχοντα διατόρους ποδοῖν ἀκμάς.  
ΟΙ. δεινὸν γ' ὄνειδος σπαργάνων ἀνελόμην.  
ΑΓ. ὥστ' ὠνομάσθης ἐκ τύχης ταύτης δς εἶ.  
ΟΙ. ὦ πρὸς θεῶν, πρὸς μητρὸς, ἢ πατρὸς, φράσον.  
ΑΓ. οὐκ οἶδ'· ὁ δοὺς δὲ ταῦτ' ἐμοῦ λῶον φρονεῖ.  
ΟΙ. ἦ γὰρ παρ' ἄλλου μ' ἔλαβες οὐδ' αὐτὸς τυχών;  
ΑΓ. οὐκ, ἀλλὰ ποιμὴν ἄλλος ἐκδίδωσί μοι.  
ΟΙ. τίς οὗτος; ἦ κάτοισθα δηλῶσαι λόγῳ;  
ΑΓ. τῶν Λαΐου δήπου τις ὠνομαζετο.  
ΟΙ. ἦ τοῦ τυράννου τῆσδε γῆς πάλαι ποτέ;  
ΑΓ. μάλιστα. τούτου τάνδρὸς οὗτος ἦν βοτήρ.  
ΟΙ. ἦ κάστ' ἔτι ζῶν οὗτος, ὥστ' ἰδεῖν ἐμέ;

ΑΓ. Ὀμεῖς γ' ἄριστ' εἰδεῖτ' ἄν οὐπιχώριοι.

ΟΙ. ἔστιν τὶς ὁμῶν τῶν παρεστῶτων πέλας,  
ὅστις κάτοιδε τὸν βοτῆρ', ὃν ἐννέπει,  
εἴτ' οὖν ἐπ' ἀγρῶν εἴτε κἀνθάδ' εἰσιδῶν;  
σημήναθ', ὥς ὁ καιρὸς ἡδύρῃσθαι τάδε.

Sophocles.

1. Write short notes on anything which requires elucidation in the above passages.

2. Translate literally and explain fully the syntax of the following :—

(a) ἀρχῆς δὲ τῆς σῆς μηδαμῶς μεμνώμεθα  
στάντες τ' ἐς ὀρθὸν καὶ πεσόντες ὕστερον.

(b) ἐν γὰρ πόλλ' ἄν ἐξεύροι μαθεῖν  
ἀρχὴν βραχεῖαν εἰ λάβοιμεν ἐλπίδος.

(c) ἄλλον δ' ἄν ἄλλῃ προσίδοις ἄπερ εὐπτερον ὄρνιν  
χρεῖσσον ἀμαιμακέτου πυρὸς ὄρμενον  
ἀκτὰν πρὸς ἐσπέρου θεοῦ.

(d) ἀνδρα δ' ὠφελεῖν ἀφ' ὧν  
ἔχοι τὲ καὶ δύναιτο κάλλιστος πόνων.

(e) νῦν πᾶσι χαίρω.

(f) στυγνὸς μὲν εἶκων δῆλος εἶ, βαρὺς δ' ὅταν  
θυμοῦ περάσῃς.

(g) καὶ με Φοῖβος ὧν μὲν ἰχόμην  
ἄτιμον ἐξέπεμψεν.

(h) ἀνὴρ ὅδ' ὥς ἔοικε ἐς τριβὰς ἐλᾷ.

3. Give a full account of the action in this play. Sketch the character of Jocasta. How far is the doom of Oedipus connected with personal culpability?





## Senior Greek.

### SECOND PAPER.

*Examiner:* MR. MACNAUGHTON.

#### I.

##### *Unseen Translation.*

Ἐνταῦθα ἀφίχοντο πρέσβεις ὡς Ἀλέξανδρον παρὰ τε τῶν ἄλλων ὅσα αὐτόνομα ἔθνη προσοικεῖ τῷ Ἰστρῳ καὶ παρὰ Σύρμου τοῦ Τριβαλλῶν βασιλέως· καὶ παρὰ Κελτῶν δὲ τῶν ἐπὶ τῷ Ἰονίῳ κόλπῳ ὠκισμένων ἦχον· μεγάλοι οἱ Κελτοὶ τὰ σώματα καὶ μέγα ἐπὶ σφίσι φρονοῦντες· πάντες δὲ φιλίας τῆς Ἀλεξάνδρου ἐφιέμενοι ἦκειν ἔφασαν. καὶ πᾶσιν ἔδωκε πίστεις Ἀλέξανδρος καὶ ἔλαβε· τοὺς Κελτοὺς δὲ καὶ ἤρετο ὅ τι μάλιστα δεδίττεται αὐτοὺς τῶν ἀνθρωπίνων, ἐλπίσας ὅτι μέγα ὄνομα τὸ αὐτοῦ καὶ ἐς Κελτοὺς καὶ ἔτι προσωτέρω ἦκει καὶ ὅτι αὐτὸν μάλιστα πάντων δεδιέναι φήσουσι. τῷ δὲ παρ' ἐλπίδα ξυνέβη τῶν Κελτῶν ἡ ἀπόκρισις· οἷα γὰρ πόρρω τε ὠκισμένοι Ἀλεξάνδρου καὶ χωρία δύσπορα οἰκοῦντες καὶ Ἀλεξάνδρου ἐς ἄλλα τὴν ὁρμὴν ὀρῶντες ἔφασαν δεδιέναι μήποτε ὁ οὐρανὸς αὐτοῖς ἐμπέσοι. καὶ τούτους φίλους τε ὀνομάσας καὶ ξυμμάχους ποιησάμενος ὀπίσω ἀπέπεμψε, τοσοῦτον ὑπειπὼν ὅτι ἀλαζόνες Κελτοὶ εἰσιν.

Arrian's Anabasis. B. I.

#### II.

##### *Greek Prose.*

Translate into Greek :

(1) What was there to prevent our appealing to the Athenians for help?

(2) They did not know where to turn to.

(3) He was ashamed that his brother should have reached such a height of insolence.

(4) Did he know that the ambassadors whom we sent had left the city before the tidings came?

(5) He says nothing but injustice on our part will ever cause the disruption of our confederacy.

(6) I should be hard-hearted were I not to consider you worthy of compassion.

### III.

Seeing his men disheartened by the numbers of the enemy, Phormio assembled them and tried by various arguments to raise their courage. The very numbers of the Peloponnesians he said proved their fears, they would not have got together so large a force but for their consciousness that on equal terms they had no chance of success. Their confidence on the other hand rested simply on their experience in land warfare. But at sea the superiority in skill lay with the Athenians, and in point of national courage the latter were in no respect inferior either to Peloponnesians or to any other people in the world.







## Junior Mathematics.

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1. Show that  $(a^2 + b^2)(c^2 + d^2)$  can be expressed as the sum of two squares, and state the result as a theorem in numbers.

2. Prove that  $(x+a)(x+b)(x+c)\dots$  to  $n$  factors  
 $= x^n + x^{n-1} \sum a + x^{n-2} \sum ab + \dots$  to  $n+1$  terms.

3. Divide  $1+x$  by  $1-x+x^2$  to a series in ascending powers of  $x$ , and arrange so as to exhibit the law of the series.

4. Define the symbol  $\vee$ , and thence show that it is distributive over the factors of a product, but not over the terms of a sum.

5. Show that  $x^2 + bx + c$  can always be factored, and state the conditions under which the factors are real, equal, or imaginary.

6. If  $x + \vee y = a + \vee b$ , and  $x$  and  $a$  are rational, prove that  $x = a$  and  $y = b$ ; and employ this principle to find the square root of  $25 + 10\vee 6$ .

7. Draw the graph of  $x^2 - 3x - 2 = y$ , and in connection therewith explain what is meant by (i) roots, (ii) real and imaginary roots, (iii) equal roots, (iv) a maximum or minimum value.

8.  $ABCD$  is a square whose side is  $2s$ .  $P$  is on  $AB$ , and  $Q$  is on  $AD$ , and  $AP = DQ$ . Find  $AP$  when the area of the triangle  $PAQ$  is given equal to  $a^2$ ; and discuss the double solution, and the minimum solution.

9. Find the points where the graph of  $x + y = 6$  cuts the graph of  $x^2 - 3x - 2 = y$ ; and explain why there can be but two points, and the circumstances under which the points might be imaginary.

10. The three altitudes of a triangle are concurrent at the orthocentre.

11. If  $O$  be the orthocentre of  $ABC$ , the circumcircles of  $ABC$ ,  $AOB$ ,  $BOC$ , and  $COA$  are all equal.

12. The angle between a tangent and chord to the point of contact is equal to the angle in the opposite arc of the circle.

13. Two circles touch at  $A$ , and  $B, C$ , are points of contact of a common tangent. Then  $BAC$  is a right angle.

14. Prove that the area of a triangle is  $\sqrt{s(s-a)(s-b)(s-c)}$  where  $s$  = one half the perimeter.

15. The incircle of a triangle touches the side  $a$  at the distance  $s-b$  from the vertex  $B$ ; and the corresponding excircle touches the side  $a$  at the distance  $s-b$  from the vertex  $C$ .

16. If the triangle  $ABC$  has  $AB=BC$ , and  $P$  be a point on  $AC$ , then  $AB^2 - BP^2 = AP \cdot PC$ .

17. When two secants to the same circle intersect, the rectangle upon the segments between the point of intersection and the circle, is the same for each segment.

18. Give a geometrical illustration of the statement that a magnitude changes sense (or sign) when it passes through zero or infinity.





## Senior Mathematics.

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1. (1) Prove that

$a + (2a + d) + (3a + 2d) + (4a + 3d) + \dots$  to  $n$  terms is

$$\frac{n}{2} \{ \overline{n+1.a} + \overline{n-1.d} \}$$

(2) How many terms of the A. P. whose  $n$ th term is  $78-7n$  will make 387?

2. (a) In decimal or common logarithms, what is the particular part played by the characteristic, and what by the mantissa.

(b) Solve the equation  $a^x + a^{-x} = 2b$ .

3. (a) Find all the convergents to  $\frac{713}{1045}$ ; and thence find multiples of 713 and 1045 which shall differ by units.

(b) Expand  $\sqrt{5}$  into a continued fraction.

4. (a) Show by means of a figure what is meant by  $\sin \theta$ ,  $\cos \theta$ ,  $\tan \theta$ , and  $\sec \theta$ .

(b) Prove that  $\sin (\varphi - \theta) = \sin \varphi \cos \theta - \cos \varphi \sin \theta$ .

5. (a) Solve the equation  $\sin \theta + \cos \theta = \sqrt{2}$ .

(b) From a vertex of an equilateral triangle a line is drawn to the opposite side, making an angle  $\theta$  with an adjacent side. If the length of this line is  $p$ , what is the side of the triangle?

6. (a) Describe a circle to pass through two given points and touch a given circle.

(b) Under what conditions is the solution impossible?

7. (a) Show that it is necessary to divide a line into

extreme and mean ratio in order to construct a regular pentagon or decagon.

(b) By means of the line so divided find the values of  $\sin 18^\circ$ , and  $\cos 18^\circ$ .

8. (a) The diagonals of a parallelogram are given by the expression  $\sqrt{a^2 + b^2 \pm 2ab \cos \theta}$ , where  $a$  and  $b$  are adjacent sides, and  $\theta$  the angle between them.

(b) If one diagonal is given by  $\sqrt{\frac{1}{5}(a^2 + b^2)}$ , the other is 3 times as long.

6. (a) Classify the regular polyhedra, showing which form reciprocal pairs.

(b) Find the altitude and volume of a regular tetrahedron.

10. (a) Find the volume of a cone by summation of laminae parallel to the base.

(b) State the primoidal formula, and apply it to find the volume of a zone of a sphere.







## Junior Physics.

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### *I. Dynamics and Properties of Matter.*

1. Distinguish between the terms *body*, *particle*, *molecule*, and *atom*. Illustrate the meanings of the terms *relative* and *absolute* with respect to 1) extension, 2) motion, 3) direction.

2. Define *speed* and *acceleration*. Neglecting friction, with what acceleration will a silver ball (s. w. 10·5) sink, and an elm ball (s. w. ·7) rise in sea-water (s. w. 1·027)?

3. The distances passed over in successive equal intervals of time by a body, which starts from rest and is uniformly accelerated, are as the odd numbers.

4. The s. w. of gold is 19·3 and of quartz 2·65: a nugget of gold-quartz weighs 350 grams in air and 302·7 in water; find the volume and mass of gold in the nugget.

5. Define *force* and the *measure of force*. Enunciate Newton's second dynamical law, and state fully all that it teaches us.

6. A body of 6 lbs. mass pulls by its weight another body of 4 lbs. along a smooth horizontal table; find the time taken to move from rest through 965 feet, and the distance passed over in the last second.

7. Enunciate Boyle's and Charles' laws. A vessel holding a litre of air at  $20^{\circ}$  is immersed mouth downwards in Lake Ontario to a depth of a hectometre, where the temperature is  $4^{\circ}$ ; how much water will have entered into the vessel?

8. Explain fully how Regnault accurately determined the densities of gases.

9. Describe two good experiments to illustrate atmospheric pressure. What is the cause of this pressure? How and by whom was this clearly proved?

10. A litre of aluminium just balances 255 cub. cm. of silver in air (s. w.  $\cdot 0012$ ); find to an approximation of the second degree their difference of weight in water.

*Additional questions for scholarship-competitors,  
and alternative questions for extra-murals.*

11. One spring is stretched  $\frac{1}{2}$  inch for every pound appended to it; another  $\frac{1}{3}$  inch; if 10 lbs. be appended to both, how much will they be both stretched?

12. In a scientific system of units a metre is the unit of length,  $g$  (980.6) the unit of acceleration, and the weight of a litre of water at  $4^{\circ}$  the unit of force; find the unit of momentum.





## Senior Physics.

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### I. *Dynamics, Sound, and Light.*

1. Prove from the principles of energy that when a body is projected in the atmosphere the time of ascent from any level is less than the time of descent back to the same level.

2. A railway train of 60 tons in passing over a certain mile has its speed increased from 40 to 50 miles per hour. If the average frictional resistance be 10 lbs.-wt. per ton, find the work done by the engine in passing over the mile, and the K. E. of the train in foot-pounds at the end of the mile.

3. Enunciate the *Conservation of Momentum*. From what other dynamical principle is it deduced?

4. Two spherical particles impinge directly; find the total energy which will be dissipated? What becomes of it?

5. If  $\frac{1}{1000}$  of a day, a metre, and a kilogram were the fundamental units, what number would express the mean atmospheric pressure at the sea-level, which is 1.0136 megabarad.

6. Write down all you know about lunar eclipses. Why cannot an annular lunar eclipse ever happen? Why is a lunar eclipse seen much oftener than a solar?

7. A gas-flame of 4 candle-power shines at an angle of  $\frac{1}{3}\pi$  on the grease spot of a Bunsen photometer, and is 2 ft. from the plane of the screen; how far from the screen must an incandescent light of 8 candle-power be placed so as to shine directly on the grease-spot and make it invisible?

8. An object lies between two mirrors inclined at an angle of  $\frac{1}{3}\pi$ ; how many images can be seen? Trace the light

to the eye from the image produced by the most reflections, and shew that the length of the path is exactly equal to the distance of the image from the eye.

9. A ray of light passes through a prism ; find when the deviation is a minimum.

10. What is dispersion of light ? How is it accounted for ? How is the *dispersive power* of any medium measured ?

11. Explain the principle underlying, and give the construction of a direct-vision spectroscope.

12. What do the dark lines in the solar spectrum teach us ? Are there dark lines in the lunar spectrum ?

*Alternative questions for extra-murals.*

13. In what time will a locomotive of 100 force-de-cheval, drawing a train of 100 tonnes, complete a journey of 100 kilometres, supposing that the frictional resistance until full speed is attained, and after steam is shut off until it stops, be on the average 3 kilograms-wt. per tonne, and after full speed is attained, 4 kilograms-wt. per tonne.

14. Enunciate the laws of reflection of sound. In an echo 3 syllables are distinctly heard by the person speaking ; how far is the reflecting surface ?

15. Define the pitch of a note. What is its physical measure ? Describe the construction of a pitch-measurer.

16. What is Helmholtz's theory of concord and discord ?







## Junior Physics.

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### II. *Dynamics, Heat, and Astronomy.*

1. Explain the direction of the trade-winds.

2. Three pegs  $A, B, C$  are stuck into a vertical wall so as to form an isocles triangle, having  $A$  highest and  $BC$  horizontal; angle  $A$  is  $120^\circ$ ; a string passed over the pegs supports 18 lbs. at each end; find the pressure on each peg.

3. Determine the equations of motion of a body projected up a rough inclined plane.

4. Distinguish between conduction, convection, and radiation of heat, giving one example of each.

5. Describe experiments to illustrate the magnitude of the forces called into action 1) in thermal dilatation, 2) in change of physical state.

6. What is the zero of the air-thermometer? Explain the formula  $\frac{PV}{T} = C$  for gases.

7. The scale of the laboratory barometer is etched on the glass tube and is true at  $0^\circ$ . If the reading be 75.6 when the temperature is  $15^\circ$ , find the barometric pressure in gravitation-measure. Given the coefficients of cubical dilatation of glass and mercury  $2.5 \times 10^{-5}$  and  $1.8 \times 10^{-4}$ , and the density of mercury at  $0^\circ$  13.6.

8. On what depends the pressure of 1) a gas, 2) a vapour in contact with its own liquid? Describe experiments to shew this.

9. What are the different forms of *latent heat*? Describe an experiment to find the L. H. of Fusion of water.

10. When are stars said to be optically double? When physically double? Define *constellation*; the *Zodiac*. Name the constellations in order in the Zodiac.

11. Define the conjunction, opposition, apogee, perigee, perihelion, aphelion, eccentricity of a planet in its orbit.

12. Explain why the moon always turns towards us the same face, and the consequences of this on its climate at conjunction and opposition.

*Additional questions for scholarship-competitors,  
and alternative questions for extra-murals.*

13. A body of 10 lbs. descending under the action of its weight draws another body of 10 lbs. up a plane 50 ft. long inclined at  $\frac{1}{6}\pi$  to the horizon, by means of a cord passing over a small smooth pulley; find when the cord must be cut in order that the ascending body may just reach the top of the plane, the coefficient of friction being  $\frac{1}{3}$ .

14. If  $18\frac{1}{2}$  grams of vapour issuing from alcohol boiling under the mean atmospheric pressure, when mixed with 100 grams of water, raise the temperature of the water from  $9^{\circ}$  to  $48^{\circ}$ , find the L. H. of Evaporation of alcohol. S. H. of alcohol = 0.6, and boiling point =  $78^{\circ}$ .





## Senior Physics.

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### II. *Dynamics, Electricity, and Magnetism.*

1. A body of weight  $W$  lies on a plane inclined at an angle  $\alpha$  to the horizon, the coefficient of friction being  $\mu$ ; if a force  $P$  acting at an angle  $\beta$  to the inclined plane keeps the body from sliding down, find between what limits  $P$  must lie.

2. A railway carriage, detached from a train going up an incline of 1 in 280, is found to move over 1500 yds. before it begins to descend; find (1) the speed of the train, (2) the speed of the carriage when it returns to the place where it was detached.

3. Explain the boast of Archimedes, "Give me a lever and whereon to rest it and I shall move the world." What much easier way is there of moving the world?

4. Define the moment of a force about a point. What does it measure? Prove that the algebraical sum of the moments of two coplanar forces round any point in their plane is equal to the moment of their resultant.

5. Having given the speeds of any number of particles in any direction, to determine the speed of the c. of m. in the same direction. Give an important corollary to this proposition.

6. Distinguish between the *mechanical, static, and kinetic advantages* of a machine, and deduce the relation between these and the *efficiency* of the machine.

7. Find the mechanical advantage of the *endless screw*.

8. Enunciate two fundamental laws in the production of frictional electricity.

9. Explain how a body can be electrified by induction with only one kind of electricity.

10. What is *inductive capacity*? Show how to experimentally illustrate differences in inductive capacity. Is there any established relation between inductive capacity and insulating capacity?

11. In what does the power of a pointed conductor consist? Give an important practical application.

12. How may the electrical whirl be made to turn in the same sense as that in which the arms point? Explain the action.

*Alternative questions for extra-murals.*

13. Describe Wheatstone's bridge. Show clearly how electrical resistances are measured thereby.

14. Describe the general construction and action of a telephone.

15. What is *electric potential*? Deduce its value  $\Sigma(q \div r)$ .

16. Define *magnetic field* and *lines of magnetic force*, and shew how to determine the latter experimentally in any field.



## Junior Philosophy.

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*Questions 2, 3, 4, 5, 6, 7 and 8 are for intra-murals, and questions 1, 2, 3, 5, 7, 9 and 10 are for extra-murals.*

1. What use is made by the Sophists of the doctrine of Heraclitus?

2. Describe and illustrate the Socratic method.

3. What is the Cyrenaic conception of the end of life? Estimate its value.

4. Explain clearly what Plato meant by the term "common element"?

5. Define each of the virtues recognized by Plato. What does he mean by saying that they are "political"?

6. What is Aristotle's view of imagination?

7. "The extremes are more opposed to each other than they are to the mean." What is the view of virtue contained in this quotation? Does it agree with the view that "the desire for what is good is the mark of all the virtues"?

8. Give and examine the Epicurean theory that sensation is the criterion of truth.

9. "All things which we clearly and distinctly conceive are true." Explain and examine this doctrine of Descartes.

10. What does Berkeley mean by "suggestion"? Is his explanation consistent with his theory that "ideas imprinted on the senses" are the only reality?







## Senior Philosophy.

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(*For Intra-mural Students*).

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1. Examine the view that "axioms are generalizations from observation."

2. Is Induction "the process by which we conclude that what is true of certain individuals of a class is true of the whole class?"

3. "Cause is the invariable antecedent." "Cause is the sum-total of the conditions." Are these definitions identical? If not, is either true?

4. "This body is heavy." How would Mill explain, by his "psychological" theory, the process by which this judgment is reached?

5. "Responsibility means punishment." Examine this.

6. Is Mill's "proof" of Utilitarianism valid?

7. Examine Mill's explanation of the origin and nature of Justice.

8. "Every action which proceeds from desire for an object is contrary to duty." Examine this.

## Senior Philosophy.

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(*For Extra-mural Students*).

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1. What is implied in the distinction between fact and fancy?

2. "The understanding makes nature." In what different senses would Kant and Green interpret this saying?

3. "Action is the result of character and circumstances; therefore the will is not free." Examine this.

4. Is there ever a desire for two objects which the subject recognizes as incompatible?

5. Is Mill entitled to distinguish pleasures according to their quality?

6. "Happiness is unattainable." In what sense is this held by Carlyle? Is Mill's answer satisfactory?

7. How does Spencer conceive of the relation between pleasure and self-maintenance? Add remarks.



## Senior Political Science.

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1. Society and the state are due to the limitations of the individual. Explain.

2. Point out the mutual relations in life of material and spiritual needs.

3. What is Aristotle's conception of the complete social life?

4. What view of human nature is implied as the basis of the individualistic conception of society? Illustrate by reference to the theories of Hobbes, Locke or Rousseau.

5. "We hold these truths to be self-evident, that all men are created equal; that they are endowed by their Creator with certain inalienable rights; that among these, are life, liberty and the pursuit of happiness." Examine.

6. Compare the positions of the British North America Act and of the United States Constitution with regard to the governments of Canada and the United States respectively.







## Junior Political Science.

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### *Intra-mural and Extra-mural.*

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#### FIRST PAPER.

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1. What are the chief economic and social principles to be kept in view in the charitable relief of poverty?

2. Determine which of the following things are—(a) wealth; (b) capital; (c) personal property; (d) national property :—The Canadian Pacific and Intercolonial Railways; the toll roads of Ontario; a university degree; a bill of exchange drawn on a merchant in a foreign country; a Dominion note.

3. Contrast the conditions of Canada and Britain with regard to the importance of rent in each.

4. How are the production and exchange of wealth mutually related?

5. Point out the importance of intelligence, as contrasted with manual labour, in the production of wealth.

6. Under what conditions are strikes beneficial or not beneficial from a purely economic point of view.

## Junior Political Science.

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### *Intra-mural.*

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#### SECOND PAPER.

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1. What conditions require to be observed in the proper use of statistics?
2. What are the chief human needs that afford a basis for economics?
3. What economic difficulties arise from the fact that man is both an agent in production and the being in whose interests production is undertaken?
4. State fully the points of agreement and difference between the operations of a clearing-house and a bank?
5. How is the amount of the note issue of a Canadian bank regulated legally and practically?
6. Estimate the value of the 'infant industry' argument for protection?



## English—Junior Class.

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### FIRST PAPER.

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1. (a) As I was Yesterday riding out in the Fields with my Friend Sir Roger, we saw at a little Distance from us a Troop of Gipsies. Upon the first Discovery of them, my Friend was in some doubt whether he should not exert the *Justice of the Peace* upon such a Band of Lawless Vagrants, but not having his Clerk with him, who is a necessary Counsellor on these Occasions, and fearing that his Poultry might fare the worse for it, he let the Thought drop: But at the same time gave me a particular Account of the Mischiefs they do in the Country, in stealing People's Goods and spoiling their Servants. If a stray Piece of Linen hangs upon a Hedge, says Sir Roger, they are sure to have it; if the Hog loses his Way in the Field, it is ten to one but he becomes their Prey; our Geese cannot live in Peace for them; if a Man prosecutes them with Severity, his Hen-roost is sure to pay for it: They generally straggle into these Parts about this Time of the Year; and set the Heads of our Servant-Maids so agog for Husbands, that we do not expect to have any Business done as it should be whilst they are in the Country. I have an honest Dairy-maid who crosses their Hands with a Piece of Silver every Summer, and never fails being promised the handsomest young Fellow in the Parish for her pains.

—Addison.

(b) The rights of men, that is to say, the natural rights of mankind are indeed sacred things; and if any public measure is proved mischievously to affect them, the objection ought to be fatal to that measure, even if no charter at all could be set up against it. If these natural rights are further affirmed and declared by express covenants, if they are clearly defined and secured against chicane, against power and authority, by written instruments and positive engagements, they are in a still better condition: they partake not only of the sanctity of the object so secure, but of that solemn public faith itself which secures an object of such importance. Indeed this formal recognition, by the sovereign power, of an original right in the subject, can never be subverted, but by rooting up the holding radical principles of government, and even of society itself. The charters, which we call by distinction *great*, are public instruments of this nature; I mean the charters of king John and Henry the Third. The things secured by these instruments may, without deceitful ambiguity, be very fitly called the "chartered rights of men."

These charters have made the very name of charter dear to the heart of every Englishman.—But, Sir, there may be, and there are charters not only different in nature, but formed on principles the

very reverse of those of the great charter. Of this kind is the charter of the East India Company. Magna Charta is a charter to restrain power, and to destroy monopoly. The East India charter is a charter to establish monopoly, and to create power. Political power and commercial monopoly are not the rights of men; and the rights to them derived from charters, it is fallacious and sophistical to call "the chartered rights of men." These chartered rights, (to speak of such charters and of their effects in terms of the greatest possible moderation) do at least suspend the natural rights of mankind at large; and in their very frame and constitution are liable to fall into a direct violation of them.

—Burke.

Analyse the above passages under the following heads: structure and arrangement, phraseology, character of the ideas.

2. Show how Shakespeare has developed the following scenes from his original historical materials:—

(a) The speeches of Brutus and Antony in the Forum.

(b) The murder of the poet Cinna by the mob.

3. "Shakespeare presents us with a conventional Cæsar very different from that of Plutarch—a proud and arrogant Cæsar, whose strained and exaggerated language forms a marked contrast to the simplicity of the commentaries." Examine this opinion. Can Shakespeare's Cæsar be reconciled with what we know of the historical character?

4. *Antony.* Octavius, I have seen more days than you.

And though we lay these honours on this man,

To ease ourselves of divers slanderous loads,

He shall but bear them as the ass bears gold,

To groan and sweat under the business,

Either led or driven, as we point the way;

And, having brought our treasure where we will,

Then take we down his load, and turn him off,

Like to the empty ass, to shake his ears,

And graze in commons.

*Octavius.*

You may do your will;

But he's a tried and valiant soldier.

*Antony* So is my horse, Octavius; and, for that,

I do appoint him store of provender.

It is a creature that I teach to fight.

To wind, to stop, to run directly on;  
 His corporal motion govern'd by my spirit.  
 And, in some taste, is Lepidus but so;  
 He must be taught, and train'd and bid go forth:—  
*A barren-spirited fellow; one that feeds*  
*On objects, arts, and imitations*  
*Which out of use, and stal'd by other men,*  
*Begin his fashion.* Do not talk of him,  
*But as a property.*

(a) Explain what has taken place in the previous part of the scene. Contrast the characters of Antony and Octavius.

(b) Explain the words and phrases italicized.

5. Describe, with suitable quotations, the character of Casca.

6. Explain the following extracts by reference to the context :—

O, he sits high in all the people's hearts.

O, let us have him; for his silver hairs  
 Will purchase us a good opinion.

Thou hast no figures, nor no fantasies  
 Which busy care draws in the brains of men;  
 Therefore thou sleep'st so sound.

I never stood on ceremonies  
 Yet now they fright me.

I heard a bustling rumour, like a fray,  
 And the wind brings it from the Capitol.

The evil that men do lives after them,  
 The good is oft interred with their bones.

7. Define the following terms and phrases :—Dramatic unity of action, epigram, irony, synecdoche, heroic couplet.







## English—Junior Class.

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### SECOND PAPER.

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#### I.

1. A Marchaunt was ther with a forked berd,  
In motteleye, and high on horse he sat,  
Uppon his heed a Flaundrisch bevere hat;  
His botes clapsed faire and fetysly.  
His resons he spak ful solempnely,  
Sownynge alway thencre of his wynnynge.  
He wolde the see were kept for eny thinge  
Betwixe Middleburgh and Orewelle.  
Wel couthe he in eschaunge scheeldes selle.  
This worthi man ful wel his wit bisette;  
Ther wiste no wight that he was in dette,  
So estatly was he of governaunce,  
With his bargayns, and with his chevysaunce.  
For sothe he was a worthi man withalle,  
But soth to sayn, I not how men him calle.

(a) Turn into modern English prose.

(b) Explain the forms *botes*, *faire*, *wolde*, *couthe*, *selle*, *wiste*, *sayn*, *not*.

(c) Give a metrical analysis of the last seven lines.

2. Comment on the significant points in this description of the *Marchaunt*.

3. Quote as much as you can of the description of the *Clerk of Oxenford* or, alternatively, of the *Schipman*.

4. Write a short essay on the moral or, alternatively, the dramatic qualities of Chaucer's work.

5. Explain the meaning of the following extracts and refer to the context :—

(a) For he was Epicurus owne sone.

(b) In termes hadde he caas and domes-alle  
That fro the tyme of Kyng William were falle.

- (c) For unto a powre ordre for to yeve  
Is signe that a man is wel i-schrive.
- (d) Here knyfes were i-chaped not with bras  
But al with silver wrought ful clene and wel.

## II.

6. Give a table of the Teutonic languages, showing the place which English holds amongst them.

7. What are the various ways in which the plural of nouns is formed in English? Explain the origin of each.

8. Decline the 1st, 2nd, and 3rd Personal Pronouns as used by Chaucer, and explain the obsolete forms.

9. Give a four-column analysis of the following words :  
*bataille, i-taught, dette, heed.*



## English.—Senior Class.

### FIRST PAPER.

#### I.

1. To be thus is nothing:

But to be safely thus. Our fears in Banquo  
Stick deep; and his royalty of nature  
Reigns that which would be fear'd: 'tis much he dares,  
And, to that dauntless temper of his mind,  
He hath a wisdom that doth guide his valour  
To act in safety. There is none but he  
Whose being I do fear: and under him  
My Genius is rebuked, as it is said  
Mark Antony's was by Caesar. He chid the sisters,  
When first they put the name of king upon me,  
And bade them speak to him: then prophet-like  
They hail'd him father to a line of kings:  
Upon my head they placed a fruitless crown,  
And put a barren sceptre in my gripe,  
Thence to be wrench'd with an unlineal hand,  
No son of mine succeeding. If't be so,  
For Banquo's issue have I filed my mind;  
For them the gracious Duncan have I murder'd;  
Put rancours in the vessel of my peace  
Only for them; and mine eternal jewel  
Given to the common enemy of man,  
To make them kings, the seed of Banquo kings:  
Rather than so, come, fate, into the list,  
And champion me to the utterance!

(a) Comment on this passage as illustrative of the character of Macbeth.

(b) What is there in the play to justify the estimate Macbeth here makes of Banquo?

(c) Explain particularly the phrases :—

His royalty of nature; under him my genius is rebuked; wrench'd with an unlineal hand; come, fate, into the list and champion me to the utterance.

2. Describe the scene in which Macbeth first meets the two murderers. Reproduce as much as you can of their speeches. What may be inferred as to the rank and circumstances of the murderers?

3. Give an outline of Act V, and notice the development of Macbeth's character at this stage.

4. Give an account of Malcolm's interview with Macduff in England. Notice the contrast of character between Duncan and his son.

5. Explain the following extracts with reference to the context:—

(a) He wants the natural touch.

(b) He hath a heavenly gift of prophecy.

(c) We have scotch'd the snake, not kill'd it.

(d) Things bad begun make strong themselves by ill.

(e) But in these cases

We still have judgment here.

## II.

6. This, happily for him, Johnson was one of those that knew: under a certain authentic Symbol, it stood forever present to his eyes: a Symbol, indeed, waxing old as doth a garment; yet which had guided forward, as their Banner and celestial Pillar of Fire, innumerable saints and witnesses, the fathers of our modern world; and for him also had still a sacred significance. It does not appear that, at any time, Johnson was what we call irreligious: but in his sorrows and isolation, when hope died away, and only a long vista of suffering and toil lay before him to the end, then first did Religion shine forth in its meek, everlasting clearness: even as the stars do in the black night, which in the daytime and dusk were hidden by inferior lights. How a true man, in the midst of errors and uncertainties, shall work out for himself a sure Life-truth; and adjusting the transient to the eternal, amid the fragments of ruined Temples build up, with toil and pain, a little Altar for himself, and worship there; how Samuel Johnson, in the era of Voltaire, can purify and fortify his soul, and hold real communion with the Highest, 'in the Church of St. Clement Danes:' this too stands all unfolded in his Biography, and is among the most touching and memorable things there; a thing to be looked at with pity, admiration, awe. Johnson's Religion was as the light of life to him; without it, his heart was all sick, dark and had no guidance left.

Examine the above passage under the following heads:

(a) structure of sentences.

(b) characteristic idioms, figures of speech, &c.

(c) ideas. (Explain particularly—authentic symbol ; the fathers of our modern world ; adjusting the transient to the eternal ; in the era of Voltaire).

7. Explain the point of view from which the following sayings are to be understood :—

History is the true Poetry.

Wrong is not only different from Right, but is in strict scientific terms *infinitely* different.

This last of the Tories was Johnson.

8. Give Carlyle's estimate of Boswell. Compare it with Macaulay's.

9. Explain the following extracts :—

Bayle had played his part. A *carpe-diem* philosopher. The Mecænases virtual of St. John's Gate and Paternoster Row. The golden age of those new French prophets. Rayed out speculation from the Woolsack. Chaunting Jo-Pæans. A mingled Phlegethon and Fleet-ditch. Some amorphous Dr. Parr.



## English—Senior Class.

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### SECOND PAPER.

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#### 1.

1. Illustrate from the following passages the characteristic qualities of the authors. Notice thought, phraseology and rhythm :

Yet fame deserved no enemy can grudge;  
The statesman we abhor, but praise the judge.  
In Israel's courts ne'er sat an Abbethdin  
With more discerning eyes, or hands more clean,  
Unbribed, unsought, the wretched to redress,  
Swift of despatch and easy of access.  
Oh! had he been content to serve the crown  
With virtues only proper to the gown,  
Or had the rankness of the soil been freed  
From cockle, that oppressed the noble seed,  
David for him his tuneful harp had strung,  
And heaven had wanted one immortal song.

—Dryden.

To kinder skies, where gentler manners reign,  
I turn; and France displays her bright domain.  
Gay sprightly land of mirth and social ease,  
Pleased with thyself, whom all the world can please,  
How often have I led the sportive choir,  
With tuneless pipe beside the murmuring Loire!  
Where shading elms along the margin grew,  
And freshened from the wave the zephyr flew;  
And haply, though my harsh touch, falt'ring still,  
But mocked all tune, and marr'd the dancer's skill,  
Yet would the village praise my wondrous power  
And dance, forgetful of the noontide hour.

—Goldsmith.

2. Give an account of the development of the following poetic forms in English literature :—The Sonnet ; Blank Verse.

3. Yet if some voice that man could trust  
Should murmur from the *narrow house*,  
'The cheeks drop in; the body bows;  
Man dies: nor is there hope in dust.'



Might I not say? 'Yet even here,  
 But for one hour, O Love, I strive  
 To keep so sweet a thing alive.'  
 But I should turn mine ears and hear

The moanings of the *homeless sea*,  
 The sound of streams that swift or slow  
*Draw down Æonian hills, and sow*  
*The dust of continents to be.*

And Love would answer with a sigh,  
 'The sound of *that forgetful shore*  
 Will change my sweetness more and more,  
*Half dead to know that I shall die.'*

O me, what profits it to put  
 An idle case? If Death were seen  
 At first as Death, Love had not been,  
 Or been in narrowest working shut,  
 Mere fellowships of sluggish moods,  
 Or in his *coarsest Satyr-shape*  
 Had bruised the herb and crush'd the grape,  
 And bask'd and batten'd in the woods.

- (a) Explain the train of thought here.
- (b) Explain precisely the force of the phrases italicized.
- (c) Characterize the rhythm, with specific illustrations.

4. Explain the meaning of each of the following stanzas, and indicate the place it holds in the train of the poet's thought :

(a) So careful of the type''? but no.  
 From scarped cliff and quarried stone  
 She cries "a thousand types are gone:  
 I care for nothing, all shall go."

(b) And many an old philosophy  
 On Argive's heights divinely sang,  
 And round us all the thicket rang  
 To many a flute of Arcady.

(c) See that thou countest reason ripe  
 In holding by the law within,  
 Thou fail not in a world of sin,  
 And ev'n for want of such a type.

- (d) And all the phantom, nature stands—  
With all the music on her tone,  
A hollow echo of my own,—  
A hollow form with empty hands.

5. What are the prominent qualities of Tennyson's style. Illustrate from the extracts?

## II.

6. What are the principal differences in style and rhythm between the poets of the Elizabethan period and those of Queen Anne's time? To what is the change owing? Notice the position held by Waller.

7. Show how the work of Dryden or of Dr. Johnson reflects the character of the age in which he lived.

8. Write a brief account of any two of the following works: *Essay on Man*; *Cato*.

9. Give some account of the life and works of the following authors:—Horace Walpole, Lord Chesterfield; Richard Bentley.

## III.

10. *The last ende of mans lyfe es hard  
That es, when he drawes to ded-ward.  
For when he es seke, and bedreden lys,  
And swa feble that he may nocht rys,  
Than er men in dout and nocht certayn  
Wether he sal euer couer agayn  
Bot yhit can som men that er sleghe,  
Witte if he sal of that yuel deghe  
By certayn takens, als yhe sal here,  
That byfalles when the ded es nere;  
The lefte eye of hym than semes les  
And narrower than the right eghe es;  
His nese, at the poynt, es sharp and smalle  
Than bygynnes his chyn to falle;  
His pouce es stille, with-outen styrynges,  
His fete waxes cauld, his bely clynges.  
And if nere the ded be a yhung man,  
He ay wakes, and may nocht slepe than;  
And an alde man to dede drawand  
May nocht wake, bot es ay slepand.*

—Richard de Hampole.

Turn the above into modern English. Point out the peculiarities of the northern dialect in this extract, and make notes explaining the origin and form of the following words :—*ded-ward, swa, dout, noght, er, sleghe, witte, pounce, drawand.*

11. He gef londes in Engeland *that* ligtliche come therto.  
 That yute hor eirs holdeth alonde monion  
 And diseritede moni kundemen *that* he huld is fon.  
 So *that the* mestedel of heyemen *that* in Engeland beth,  
 Beth icome of *the* Normans as ye nou iseth.  
 And men of religion of Normandie al-so  
 He feffede here mid londes and mid rentes al-so.  
 So *that* vewe contreies beth in Engelande,  
*That* monekes nabbeth of Normandie somwat in hor  
honde  
 King Willam bi-thoghte him ek of *the* fole *that* was  
uorlore,  
 And aslawe ek *thoru* him in *the* bataille biuore.  
 And *there* as *the* bataile was an abbeye he let rere  
 Of Sein Martin, uor hor soulen *that there* aslawe were,  
 And *the* monekes wel inou. feffede, withoute fayle,  
*That* is icluped in Engeland. abbey of the batayle.  
—Robert of Gloucester.

Turn the above into modern English, and make notes explaining the origin and form of the following words :  
*londes, hor, holdeth, fon, mestedel, beth, icome, feffede, rentes, nabbeth, aslawe.*



## Junior History.

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### FIRST PAPER.

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*Answers to only six questions required.*

1. Trace the migrations of the Dorians from their early home in Thessaly till their settlement in the Peloponnesus, including their connection with Crete.

2. Point out the influence of Phoenicia on Greece in regard to learning, to commerce, and religion.

3. State the chief points in the legislation of Solon. How did he himself regard that legislation, and what influence did it have on the development of Athens?

4. Compare fully the Eupatridae of Athens with the Patricians of Rome. Explain why the Eupatridae never could acquire a power such as the Patricians acquired.

5. What principles were involved in the Peloponnesian war?

6. Describe the constitution of the Athenian Boule or council, its purpose and its authority.

7. What were the results on Greece of Alexander's conquests of the East in regard to commerce, to religion, and learning?

8. What were the immediate causes of the first and second Macedonian Wars? Describe the Achaean and Aetolian leagues. What was Rome's conduct in regard to these leagues, and in the subjugation of Greece?

## Junior History.

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### SECOND PAPER.

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*Answers to only seven questions required.*

1. State the early settlements of the Latins in Italy. Point out their relations to the Umbro-Sabellian tribes. Mention the other stocks in Italy.

2. What were the terms of the Latin league? How far did Rome adhere to those terms.

3. What was the occasion of the appointment of Tribunes? Compare the powers of the Tribunes with the powers of the Consuls.

4. Name the different Comitia. Who constituted each? What were their powers respectively? Point out the growing importance of the Comitia Tributa, and their relation to the Senate from their establishment to the period of the Gracchi.

5. State the immediate cause of the Punic Wars. What was the position of parties after the battle of Cannae?

6. What were the terms of the Lucinio-Sextian laws?

7. What was necessary to the full enjoyment of the rights of Roman citizenship?

8. State the terms of the Agrarian law of Tiberius Gracchus. What circumstances prevented the proposed redistribution of land?

9. What changes were proposed in the Equestrian order and of the Judices by Caius Gracchus?

10. Compare the measures of the Gracchi with the Sullan revolution.

11. Compare the characters of Cæsar and Pompey.

12. How was the Senate constituted? Who made the appointments to the Senate? What changes were made by Sulla?







## Senior History.

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### FIRST PAPER.

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*Answers to only six questions required.*

1. What are the principles which distinguish the laws of the Gothic tribes—the Salian, Burgundian, and of the Lombard's, and in a less degree the Anglo-Saxon—from the principles of the Roman, or of modern laws ?

2. Give a history of the municipal system throughout the Roman Provinces, and state its general effects.

3. Trace the origin and growth of the Feudal system, stating the respective views of Montesquieu and Guizot, and those of Waitz and Roth. What circumstances affected its development in Italy and in Spain ?

4. Give a sketch of the rise of the Communes in France. Compare them with the free towns of Germany, and the Republics of Italy.

5. State the anti-feudal influence of the Crusades.

6. Point out the growth of the Royal power in France, territorially, judicially, and in its encroachments on the privileges of the Gallican Church.

7. In the fourteenth century a great democratic movement took place in France, Spain, Italy, Germany, and in England. Explain its form and assign its cause in each case.

8. Explain the origin and growth of Canon law.

9. Give a short account of the Spanish Cortes, their constitution and powers.

## Senior History.

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### SECOND PAPER.

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*Answers to only six questions required.*

1. State the several territorial divisions of the Anglo-Saxon constitution, and the courts belonging to each. Who constituted these courts? What were the powers and jurisdiction of each?

2. What was the attitude of the Norman kings to the Feudal system? Explain fully their attitude.

3. Point out any changes in the English constitution from William I to Edward I in regard to the army, and to the church, as well as in the administration of justice, and in matters of finance.

4. What is meant by an estate? State the distinguishing features of the estate of the Peerage, and also of the Clergy.

5. What is Firma Burgi? State the circumstances which gave rise to it.

6. Give a short sketch of the Parochial system in England from Anglo-Saxon times to the Tudors. What were the effects of the confiscation of the monasteries?

7. Distinguish between cabinet government and cabinet responsibility in Great Britain and in the United States.

8. What is the relation of the Supreme Court in the United States to the Houses of the Federal government? What are its powers?

9. State in general terms the conditions of the Treaty of Paris of 1763.

10. What, according to the Confederation Act of 1867, are the relations of the Provinces to the Federal government?





## Junior French.

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### FIRST PAPER.

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#### I.

Translate at sight into English :

1. Monte, écureuil, monte au grand chêne,  
Sur la branche des cieux prochaine,  
Qui plie et tremble comme un jonc.  
Cigogne, aux vieilles tours fidèle,  
Oh! vole et monte à tire-d'aile  
De l'église à la citadelle,  
Du haut clocher au grand donjon.

Vieux aigle, monte de ton aire  
A la montagne centenaire  
Que blanchit l'hiver éteruel.  
Et toi qu'en ta couche inquiète  
Jamais l'aube ne vit muette,  
Monte, monte, vive alouette,  
Vive alouette, monte au ciel!

Et maintenant, du haut de l'arbre,  
Des flèches de la tour de marbre,  
Du grand mont, du ciel enflammé,  
A l'horizon, parmi la brume,  
Voyez-vous flotter une plume,  
Et courir un cheval qui fume,  
Et revenir mon bien-aimé?

Victor Hugo.

2. Je peux dire sans hyperbole que j'ai été élevé dans un rocher. Le château de mes pères, très-bien nommé le château de la Roche, est bizarrement incrusté dans l'excavation d'une muraille de basalte de cinq cents pieds d'élévation. La base de cette muraille forme, avec son vis-à-vis de roches identiques, une étroite et sinieuse vallée où, à travers de charmantes prairies ombragées de saules et de noyers, serpente et bondit en cascates impétueuses un torrent inoffensif. Le chemin qui conduit chez nous passe sur le versant qui nous fait face, lequel se relève presque aussitôt et nous enferme dans un horizon de bois de pins extrêmement triste et borné.

C'est donc un nid que le château de la Roche, un vrai nid de troglodytes, d'autant plus que tout le flanc du rocher dont nous occupons le plus large enfoncement est grossièrement creusé de

grottes et de chambres irrégulières que la tradition attribue aux *anciens hommes sauvages* (c'est le mot très juste dont se servent nos paysans), et que les antiquaires n'hésitent pas à classer parmi ces demeures des peuples primitifs que l'on rencontre à chaque pas sur certaines parties du sol de la France.

George Sand.

## II.

Translate into French :

1. He alone is brave who triumphs over himself.—Nobody knows what he is thinking of at present.—No man's life is long enough for more than one art or for more than one profession.—My good friend, said I to her, you never painted anything so beautiful, even when you were at the height of your fame.—I will be obliged to stay at home until it is fine weather.—We must always speak so that others will understand us.—He rose up without looking at me or saying anything.—It is to be hoped that he will soon go where the wicked cease from troubling and the weary are at rest.—Take care not to approach too near the precipice and beware of falling.—The letter which I made my sister write is not yet sent off.

2. There was once a king, who was so good that his subjects called him the good king. One day as he was hunting, a little rabbit, that the dogs were going to kill, threw itself into his arms. The king caressed this little rabbit and said, "Since it has put itself under my protection, I do not wish any harm done to it." He brought this little rabbit into his palace, and he had a pretty little house given it, and good herbs to eat.

In the night, when he was alone in his chamber, he saw a beautiful lady appear. She had no gold or silver garments on, but her gown was as white as the snow, and instead of a head-dress she had a crown of white roses on her head. The good king was much astonished at seeing this lady, for his door was locked, and he did not know how she had entered. She said to him, "I am the fairy, Candide; I was passing through the forest when you were hunting, and I wanted to see if you were as good as everybody says. For this I assumed the form of a little rabbit and took refuge in your arms, for I know that those who have pity for brutes, have still more for men; and if you had denied me your help, I would have believed that you were wicked."

## III.

Subject for French Composition : "L'Abbé Roitelet."



## Junior French.

### SECOND PAPER.

#### I.

#### Translate :

1. —Elle ne veut pas se presser, et elle a raison. Quoiqu'elle ait la mine éveillée et *qu'elle* vous *paraisse* peu-têtre ne pas beaucoup réfléchir, c'est une femme d'un grand sens, et qui sait fort bien ce qu'elle fait.

—Il ne me semble pas, dit Germain ingénument, car elle a trois galants à sa suite, et si elle savait ce qu'elle veut, il y *en* aurait au moins deux qu'elle trouverait de trop et *qu'elle* prierait de rester chez eux.

—Pourquoi donc? vous n'y entendez rien, Germain. Elle ne veut ni *du* vieux, ni du borgne, ni du jeune, j'en suis quasi certain; mais si elle les renvoyait, on penserait qu'elle veut rester veuve, et *il* n'en viendrait pas d'autre.

—Ah! oui! ceux-là servent d'enseigne!

—Comme vous dites. Où est le mal, si cela leur convient?

—*Chacun* son goût! dit Germain.

—Je vois que ce ne serait *le vôtre*. Mais voyons, on peut s'entendre, à supposer que vous soyez préféré: on pourrait vous laisser la place.

—Oui, à supposer! Et en attendant qu'on *puisse* le savior, combien de temps faudrait-il rester le nez au vent?

(a) Parse italicised words.

(b) Give principal parts of irregular verbs.

(c) Translate into French : Germain said naively that that would not suit him.—Can you suppose that you will be the favourite one?—How long must we wait till you have made up your mind ?

2. “Madame, lui dit-elle à brûle-pourpoint, vous me devez huit mille francs, ou peu s'en faut....

—Plaît-il? demanda la comtesse qui entendait rarement de cette oreille-là.

—Je ne viens ni vous les réclamer ni vous les reprocher.

—A la bonne heure.

—Je tiens si peu à l'argent, que non-seulement je renonce à cette somme, mais encore je ferais au besoin d'autres sacrifices pour arriver à mon but. Je veux être reçue au faubourg avec la marquise ma fille, et sans retard. C'est demain que Mme de Croix-Maugars donne son bal: vous êtes sa mère, elle n'a rien à vous



refuser: serait-ce abuser des droits que j'ai acquis à votre bienveillance que de vous demander deux lettres d'invitation?"

Les petits yeux brillants de la comtesse s'arrondirent en clous pe fauteuil. Elle sourit au discours de la veuve commeun mineur à un filon d'or.

"Hélas! petite, dit-elle en larmoyant, on vous a bien exagéré mon crédit. Ma fille est ma fille, je n'en disconviens pas; mais elle est en puissance de mari. Connaissez-vous Croix-Maugars!"

(a) Analyze à *brûle-pourpoint*, and give its English equivalent here.

(b) Complete in French the sentence: *ou peu-s'en faut...*

(c) *en puissance de mari*—Why no article?

(d) Translate into French: I attached much importance to their visit, but I do not blame them for not having come.

3. L'ingrat! le mauvais coeur!—Mais non, il n'est qu'aigri,  
C'est un état fiévreux, qui peut être guéri.

Et qui donc, parmi ceux qui parlent de courage,

Eût, sans ployer un peu, souffert le même orage?

Le malheur,—c'est tout simple,—étonne cet enfant,

Mais l'honneur est vivace et sera triomphant.

Il fallait lui parler comme on parle au malade,

Le flatter, et chercher le ton qui persuade;

Sans le lui laisser voir, il fallait le guider,

Si bien que par lui-même il crût se décider.

Au lieu de me montrer doux et prudent, que fais-je?

Je le sermonne, ainsi qu'un enfant au collège;

Le sachant ombrageux, je le blesse d'abord,

Et semble me complaire à prouver qu'il a tort.

—Ah! c'est moi qui me tiens en estime trop haute!

L'orgueilleux, c'est moi seul; à moi seul est la faute,

Je suis mauvais ami; George a raison.—Ah! ciel!

Quoi! comment réparer mon langage cruel!

(a) State the circumstances leading up to this speech.

(b) Give feminine forms of *fiévreux*, *doux*, *cruel*.

(c) *sera triomphant*, *qui persuade*—Give one-word equivalents.

(d) Name of this metre? Why so called? Distinguish between masculine and feminine rhymes. Scan last four lines.

4. Comment on the tendency of each of the works from which the above extracts are taken.

5. Give an account of the authors.

## II.

1. Give the English equivalents of the following : à *souhait*, à *propos*, *de part et d'autre*, à *plusieurs reprises*, *faire l'école buissonnière*, *sous peu*, à *l'aveuglette*, à *Dieu ne plaise*.

2. Translate referring to the context :

Qu'à cela ne tienne, répondit Germain, qui mourait d'envie de se laisser convaincre.—Entrez, faites-vous connaître; je souhaite que vous ayez le bon numéro.—il approuva tous les ridicules; il donna tête baissée dans tous les préjugés; il berna si savamment son auditoire, qu'il fit la conquête de tout le canton.—Va pour six mille francs, quoi que ce soit un bon prix pour un simple passe-port à l'intérieur du faubourg.—Monsieur George, à coup sûr, est riche sur ce point; Par surcroît de bonheur la fortune s'y joint.

3. Describe in French the following characters with reference to their respective roles : *Marie*, *Céline*, *Rodolphe*.





## Junior French.

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### THIRD PAPER.

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#### I.

Translate into idiomatic English :

1. —Je ne vous dirai pas tout de suite le nom, reprit M. Tricamp; mais, ce que je puis affirmer d'abord, c'est que le coupable *en* est à ses premières armes. —L'adresse avec laquelle ce papier est détaché du mur pourrait nous abuser un moment sur *ses facultés*; mais le papier qui a séché sur place cinq ou six ans se décolle de lui-même si facilement, qu'il n'y a pas là grand talent.—L'ouverture était pratiquée; le mérite était donc de la découvrir; et encore la vue du papier rapporté était-elle un indice plus que suffisant. Je ne parle pas de ce portefeuille si grossièrement éventré, ni de ce meuble forcé d'une façon brutale et sauvage!—Tout cela est à faire hausser les épaules: c'est *travaillé* sans grâce et sans goût. Voyez-moi cette serrure qui pend! C'est lamentable!.. Il n'a pas même su faire sortir le pêne de la gâche.—Il faut qu'il ait des outils de savatier; et ce n'est pas padonnable, aujourd'hui que l'industrie anglaise nous *fabrique* des instruments si légers, si délicats, si commodes!.. Ah!.. messieurs, je *vous* ferai connaître quand vous voudrez, des artistes qui vous forceront vos secrétaires de manière à vous enthousiasmer!

(a) Parse italicized words.

(b) *était-elle*—Why does the subject follow the verb? Write sentences illustrative of similar cases.

(c) What traits of Tricamp's character are here shown?

(d) Give in French the process of reasoning by which Tricamp arrives at his conclusion.

(e) Give a brief account of the author.

2. Charmant pays de l'imagination, toi que l'Etre bienfaisant par excellence a livré aux hommes pour les consoler de la réalité, il faut que je te quitte.—C'est aujourd'hui que certaines personnes dont je dépends prétendent me rendre ma liberté. Comme s'ils me l'avaient enlevée! comme s'il était en leur pouvoir de me la ravir un seul instant, et de m'empêcher de parcourir à mon gré le vaste espace toujours ouvert devant moi!—Ils m'ont défendu de parcourir une ville, un point; mais ils m'ont laissé l'univers entier: l'immensité et l'éternité sont à mes ordres.

(a) Explain the allusions.

(b) Give in French the substance of the author's "dissertation" on painting and music.

3. L'abbé Roitelet, figé, empesé, empalé, majestueux dans sa chape comme une idole, s'en donnait d'un entrain fou avec la foule de ses ouailles transportées. J'entendis sa voix monter, monter. Le mince filet de son, "sec et court," qui s'échappait de la poitrine de mon ami pour chanter "le Noël des bêtes," avait acquis soudainement une ampleur, une sonorité, une vigueur inattendues. Coupiac aussi, en bon paysan de Ginestet, était enlevé.

Au fur et à mesure que les strophes de ce cantique original, maintenu durant des siècles aux monts de l'Espinouze dans sa prime fleur de naïveté, balayé, me dit-on, depuis plusieurs années, par le vent de l'heure actuelle, si cruel à la poésie, au fur et à mesure que les strophes de ce cantique ouvraient leurs ailes dans une mélodie lente comme toutes les mélodies primitives, et prenaient leur vol, moi, je les apprenais par cœur avidement. Je les ai retenues.

Je transcris avec une émotion religieuse ce Noël ignoré de tous les recueils, ce Noël d'une générosité humaine admirable, ce Noël où les bêtes parlent, inventé par quelque saint François d'Assise de mon rude pays cévenol.

(a) Give the words or substance of the *cantique*.

(b) Criticise *L'Abbé Roitelet* with respect to style, plot, and truth.

## II.

1. Translate, noting any peculiarities :

Je ne peux pas la regarder vraiment, que les pleurs ne me viennent aux yeux, c'est si doux, si bon... si tendre ! Ah ! la charmante enfant.—Il ne douta pas un instant que je ne fusse resté court faute de bonnes raisons et de m'avoir, par conséquent, terrassé par la difficulté qu'il m'avait proposé.

2. Translate into idiomatic French :

He was black enough to scare you.—Come and tell me what you think of it.—You will tell me when I am there, won't you?—I heard him enter my room quietly an hour before I expected him.—They are more unhappy than I am.







## Senior French.

### FIRST PAPER.

#### I.

Translate at sight into English :

1. Tout près du lac filtre une source,  
Entre deux pierres, dans un coin;  
Allégrement l'eau prend sa course  
Comme pour s'en aller bien loin.  
Elle murmure: Oh! quelle joie!  
Sous la terre il faisait si noir!  
Maintenant ma rive verdoie,  
Le ciel se mire à mon miroir.  
Les myosotis aux fleurs bleues  
Me disent: Ne m'oubliez pas!  
Les libellules de leurs queues  
M'égratignent dans leurs ébats;  
A ma coupe l'oiseau s'abreuve;  
Qui sait?—Après quelques détours  
Peut-être deviendrai-je un fleuve  
Baignant vallons, rochers et tours.  
Je broderai de mon écume  
Ponts de pierre, quais de granit,  
Emportant le steamer qui fume  
A l'Océan où tout finit.  
Ainsi la jeune source jase,  
Formant cent projets d'avenir;  
Comme l'eau qui bout dans un vase,  
Son flot ne peut se contenir;  
Mais le berceau touche à la tombe;  
Le géant futur meurt petit;  
Née à peine, la source tombe  
Dans le grand lac qui l'engloutit!

2. Puisque mes voyageurs avaient fait halte au dyke de la Verdère, ils ne pouvaient manquer de gravir celui de Murol. Je les vis arriver, et je les devançai encore pour aller me cacher dans les ruines. Je les trouvai envahies par un troupeau de chèvres qui broutaient les feuillages abondants dont elles sont revêtues. On les avait mises là depuis peu, car elles s'en donnaient à coeur joie, grimpant jusque sur les fenêtres et dans les grands âtres de cheminées béantes le long des murs aux étages effondrés. Il m'était bien facile de me dissimuler dans ce labyrinthe colossal, une des plus hautaines forteresses de la féodalité. Vue du dehors, c'est une masse prismatique qui se soude au rocher par une base homogène, c'est-à-dire hérissée de blocs bruts que des mains de géant semblent avoir jetés au hasard dans la maçonnerie. Tout le reste est bâti en laves taillées, et ce qui reste des voûtes est en scories légères

et solides. Ces belles ruines de l'Auvergne et du Velay sont des plus imposantes qu'il y ait au monde. Sombres et rougeâtres comme le dyke dont leurs matériaux sont sortis, elles ne font qu'un avec ces redoutables supports, et cette unité de couleur, jointe quelquefois à une similitude de formes, leur donne l'aspect d'une dimension invraisemblable. Jetées dans des paysages grandioses que hérissent en mille endroits des accidents analogues, et que dominant des montagnes élevées, elles y tiennent une place qui étonne la vue et y dessinent des silhouettes terribles que rendent plus frappantes les teintes fraîches et vaporeuses des herbages et des bosquets environnants.

## II.

1. It is but little more than a century that modern England has enjoyed that plenitude of liberty which her constitution was preparing for her. Through what bloody struggles, through what long eclipses, through what cruel misgivings, has she not passed before arriving at that full and peaceful possession of herself! How often, from the reign of King John to that of George II, has not the honest and patriotic Englishman had to doubt of the future destinies of his country, of the triumph of right, and of the maintenance of his dearest liberties! Those who have persevered—who have trusted—who have hoped against hope, have been finally right; but it has been only by dint of courage, of patience, and a robust faith in the good cause, and in good sense, that they have been justified, and enabled to enjoy that constitution which has cost them so dear, but which is worth all it has cost, and which has won the admiration of the most elevated and the most varied minds, from Montesquieu to the Count de Maistre.

2. Farewell to the land, where the gloom of my glory

Arose and o'ershadowed the earth with her name—  
She abandons me now—but the page of her story,

The brightest or blackest, is filled with my fame.  
I have warred with a world which vanished me only

When the meteor of conquest allured me too far;  
I have coped with the nations which dread me thus lonely,  
The last single Captive to millions in war.

Farewell to thee, France! when thy diadem crowned me,

I made thee the gem and the wonder of earth,—  
But thy weakness decrees I should leave as I found thee.  
Decayed in thy glory, and sunk in thy worth.

Oh! for the veteran hearts that were wasted

In strife with the storm, when their battles were won—  
Then the Eagle, whose gaze in that moment was blasted,  
Had still soared with eyes fixed on victory's sun!

## III.

Subject for French Composition: "La Pierre de touche."





## Senior French.

### SECOND PAPER.

#### I.

Translate :

1. Mon dieu! que cette instance est là hors de saison!  
Et que vous témoignez tous deux peu de raison!  
Je sais prendre parti sur cette préférence,  
Et ce n'est pas mon cœur maintenant qui balance:  
Il n'est point suspendu, sans doute, entre vous deux,  
Et rien n'est sitôt fait que le choix de nos vœux.  
Mais je souffre, à vrai dire, une gêne trop forte  
A prononcer en face un aveu de la sorte:  
Je trouve que ces mots, qui sont disobligeants,  
Ne se doivent point dire en présence des gens;  
Qu'un cœur de son penchant donne assez de lumière  
Sans qu'on nous fasse aller jusqu'à rompre en visière;  
Et qu'il suffit enfin que de plus doux témoins  
Instruisent un amant du malheur de se soins.

- (a) Explain with reference to the context.
- (b) What is the ethical purport of this play?
- (c) Comment on (a) the action, (b) the denouement.

2. La calomnie, monsieur? vous ne savez guère ce que vous dédaignez; j'ai vu les plus honnêtes gens près d'en être accablés. Croyez qu'il n'y a pas de plate méchanceté, pas d'horreurs, pas de conte absurde, qu'on ne fasse adopter aux oisifs d'une grande ville en s'y prenant bien; et nous avons ici des gens d'une adresse!... D'abord, un bruit léger, rasant le sol comme l'hirondelle avant l'orage *pianissimo*, murmure et file et sème en courant le trait empoisonné. Telle bouche le recueille, et *piano, piano* vous le glisse en l'oreille adroitement. Le mal est fait, il germe, il rampe, il chemine, et *rinforzando* de bouche en bouche il va le diable; puis, tout à coup, ne sais comment, vous voyez calomnie se dresser, siffler, s'enfler, grandir à vue d'œil. Elle s'élance, étend son vol, tourbillonne, enveloppe, arrache, entraîne, éclate et tonne, et devient, grâce au ciel, un cri général, un *crescendo* public, un *chorus* universel de haine et de proscription. Qui diable y résisterait?

- (a) How far is the author antibiographical in this play?
- (b) What influence had this work, and how?
- (c) Write in French an analysis of each of the leading characters.

(d) Compare *Le Barbier de Séville* with *Le Misanthrope*.

3. O mon Dieu! voilà donc les choses qui se font!  
Bâtir une machine effroyable dans l'ombre,  
L'armer hideusement de rouages sans nombre,  
Puis, sous la meule, afin de voir comment elle est,  
Jeter une livrée, une chose, un valet,  
Puis la faire mouvoir, et soudain sous la roue  
Voir sortir des lambeaux teints de sang et de boue,  
Une tête brisée, un cœur tiède et fumant,  
Et ne pas frissonner alors qu'en ce moment  
On reconnaît, malgré le mot dont on le nomme,  
Que ce lacquais était l'enveloppe d'un homme!  
Mais il est temps encore! oh! monseigneur, vraiment,  
L'horrible roue encor n'est pas en mouvement!  
Ayez pitié de moi! grâce! ayez pitié d'elle!  
Vous savez que je suis un serviteur fidèle.  
Vous l'avez dit souvent. Voyez! je me soumets!  
Grâce!

(a) Explain in French this passage and show its connection with the plot of the play.

(b) What peculiarities of Hugo's style does the extract illustrate?

(c) Is there anything in it bearing on the tendency of the drama?

## II.

### 1. Translate :

(a) Je ne puis plus tenir.—J'ai beau voir.—En dépit qu' on en ait.—Touchez-là.—Prenez-le un peu plus haut.—Il se barbouille fort.—A vous le dé.—Que nous l'avons manqué belle.—Qu'à cela ne tienne.—Je le donne au plus fin à deviner.

### (b) Translate, referring to the context :

Que c'est une folie à nulle autre seconde De vouloir se mêler de corriger le monde.—Mais un Bazile! il médierait qu'on ne le croirait pas.—Mais c'est à se briser le front contre le mur! Mais je n'ai pas écrit, pardieu! J'en suis bien sûr.

### 2. Give French idiomatic equivalents of the following :

I agree to that.—Have you a spite against me?—Give me satisfaction.—Do you expect that anybody will believe what you say?—I did not expect that of you.—At all events.—I am afraid I will not succeed.—How silly I am!—I have not made up my mind.—His life is at stake.—It is quite dark on the staircase.







## Senior French.

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### THIRD PAPER.

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#### I.

Translate :

1. “ Je me mets à rire, elle se met à pleurer. Elle jure que je me ferai tuer; je réponds que c’est moi qui tue les autres; elle s’oppose à ce qu’on tue Hadgi-Stavros; je veux savoir pourquoi, et enfin, à bout d’éloquence, elle s’écrie, comme au cinquième acte d’un drame: “ C’est mon père!” Là-dessus, je commence à réfléchir sérieusement: une fois n’est pas coutume. Je songe qu’il me serait possible de récupérer un ami perdu sans en risquer deux ou trois autres, et je dis à la jeune Pallicare:

“ Votre père vous aime-t-il?

“ —Plus que sa vie.

“ —Vous a-t-il jamais refusé quelque chose?

“ —Rien de ce qu’il me faut.

“ —Et si vous lui écriviez que vous avez besoin de M. Hermann Schultz, vous l’enverrait-il par retour du courrier?

(a) Give the place of the extract in the plot.

(b) Describe in French the leading national representatives that figure in this work.

(c) What are its distinguishing features?

2. Depuis un mois, une véritable armée d’ouvriers s’était emparée de Longueval; les auberges et les cabarets du village faisaient fortune. D’immenses voitures de déménagement avaient apporté de Paris des cargaisons de meubles et de tapisseries. Quarante-huit heures avant l’arrivée de madame Scott, mademoiselle Marbeau, la directrice de la poste, et madame Lormier, la maîtresse, s’étaient fauflées dans le château; leurs récits faisaient tourner toutes les têtes. Les vieux meubles avaient disparu, relégués dans les combles; on se promenait au milieu d’un véritable entassement de merveilles. Et les écuries! et les remises! Un train spécial avait amené de Paris, sous la haute surveillance d’Edwards, une dizaine de voitures, et quelles voitures! une vingtaine de chevaux, et quels chevaux!

(a) Comment in French on the probability of the character of the *abbé*.

3. Le roi vous tiendra compte d'avoir relevé la fortune d'une des plus anciennes maisons du royaume, et l'aristocratie vous saura gré d'avoir saisi une occasion de restituer l'héritage du comte Sigismond à sa famille. La petite est jolie, tant mieux pour vous. Ella est bête, qu'est-ce que cela vous fait? En vous donnant sa main elle complète mon œuvre; elle donne le sacre à votre noblesse. C'est tout ce qu'il vous faut. La voici.

(a) What is the *Pierre de touche* of this play?

## II.

1. Give an account of the leading philosophical writers of the 17th century.

2. A brief account of the principal dramatists of the 17th century, a comparison with each other and with Shakespeare.

3. Tell what you know of Molière's imitators in France or elsewhere.

4. The life and works of Diderot, and an estimate of the services rendered by him to French literature.

5. State with reference to *Ruy Blas* the peculiarities of the French Romantic drama as distinguished from the classical.

6. Notes on : Jean de Balzac, Honoré de Balzac, Royer Collard, Chénier, Victor Cousin ; *Gil Blas*, *Histoire Naturelle*, *Cromwell*, *Lucrèce*.





## Junior German.

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### FIRST PAPER.

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#### I.

Translate at sight into English :

Albert streifte schon am frischen Morgen durch den Garten, der thauduftend in dem hellen Sonnenschein dalag. Unwillkürlich ging er dem Wege nach, den er gestern mit Fränzchen gekommen war, als das Gewitter sie überraschte, und das Blut stieg ihm ins Gesicht, als er sich eingestehen musste, dass die Erinnerungen des vorigen Tages die seiner Kinderjahre in den Hintergrund drängten. Er hätte hinausjubeln mögen in den jungen Tag hinein, solches Wogen von Glück umrauschte ihn; und wenn er dann nachdachte, überkam ihn ein Zagen, eine Unsicherheit, dass er die Ueberlegung gewaltsam zurückdrängte, die ihm das beglückende Empfinden zu vernichten drohte. Ihm war zu Muth wie einem Träumenden, der, schon halb erwacht, nicht wagt, die Augen zu öffnen, damit ihm nicht die Wirklichkeit vernichtend zwischen die freundlichen Bilder der Phantasie tritt. Und zwischen durch ergriff ihn wieder die selbstquälerische Lust des Zweifels, die grausam alle erdenkbaren Hindernisse heraufgrübelt, oft nur, um sie zu bekämpfen und sich dann um so sicherer zu fühlen. Albert war ein Mann geworden in der Selbständigkeit, die ihm sein Schicksal früh auferlegte, er hatte immer schnell und sicher entschieden, wo es galt, einen neuen Weg einzuschlagen. Diesmal schreckte er zurück vor einem Entschluss und liess sich treiben von dem Zufall des Geschickes, und zum ersten Male im Leben lernte er es kennen, dass das Herz der Ueberlegung voraneilt, und dass man sich ihm willenlos fügt wie einer höheren Gewalt, der wir die freie Entscheidung hingegeben hatten, ehe wir sie erkannten.

Gustav zu Putlitz.

#### II.

Translate into German :

1. Abraham Lincoln was born a poor boy, but became president of the United States.—Each of those men sitting in the room drank three glasses of beer and ate two pounds of meat.—You can never enjoy your good fortune unless you remember the poor and unfortunate.—He thanked me because I allowed him to look at the pictures.—Wait for my friend; he will have something important to communicate to you.—Two students, I hear, are dan-

gerously ill.—I was on the point of changing my mind when the news arrived.—The snow has melted very rapidly during the last days on account of the heat of the sun.—I was warned by my friend that I would not succeed in my bold undertaking.—My cousin wrote me that he rejoiced heartily at my good luck.—Riding beside him, I begged him to state what he thought of my project.

2. I wonder if any one of us ever saw this little girl. She did not mean to be a naughty girl, as she loved her father and mother, and would have been very sorry to disobey them. She wished to do well, but she did not carry out her good wishes. When told to do anything, or to go anywhere, she would say, "I'm going to," for, she meant to do it, and thought she would do it *soon*, but then she would forget all about it. Her good and kind mother thought she would try to cure her.

One morning, this little girl came running in, with the string of her hat torn off. "Please, mother, will you sew my hat-string on? The wind keeps blowing my hat off, and I can't keep it on." "Yes, my dear," said her mother, "I'm going to;" but she went quietly on with her own work.

The little girl waited a minute or two, and then said, "Now, mother, please will you?" "Yes, my dear, I'm going to," was the answer; but still the mother went on and on. "Oh, mother, please do it now," said the little girl. "Oh," said her mother, "I thought it would do soon, but as you want it at once, I must do it." This made the little girl think for a minute, but she soon got her hat again, and off she ran into the garden to play with the big dog.

### III.

Subject for German Composition: "Gabriel" or "Gebunden."







## Junior German.

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### SECOND PAPER.

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#### I.

Translate :

1. Verdient' ich's die *Gesendete* zu sein,  
Wenn ich nicht *blind* des Meisters Willen ehrte?  
Und ich bin nicht so elend, als du glaubst.  
Ich leide Mangel, doch das ist kein Unglück  
Für meinen Stand; ich bin verbannt und flüchtig,  
Doch in der Oede lernt' ich mich erkennen.  
Da, als der Ehre Schimmer mich umgab,  
Da war der Streit in meiner Brust; ich war  
Die Unglückseligste, da ich der *Welt*  
Am meisten zu beneiden schien—Jetzt bin ich  
Geheilt, und dieser Sturm in der Natur,  
Der *ihr* das Ende drohte, war mein Freund,  
Er hat die Welt gereinigt und auch *mich*.  
In mir ist Friede—Komme, was da will,  
Ich bin *mir* keiner *Schwachheit* mehr bewusst!

(a) Show the connection of this passage with the plot of the drama.

(b) Parse the italicized words.

(c) Give the principal parts of the irregular verbs.

(d) Nom. plural of the nouns.

(e) How does this drama deviate from historic truth, and why?

2. Erbprinz. Prinzessin, ich fühle, was ich Ihnen schuldig bin. Wahrheit vor der Welt, aufrichtige Werbung um Ihre Hand, selbst mit Gefahr, Sie auf ewig zu verlieren. Ich gehe zum König, ja, ich erkläre ihm jetzt, jetzt in diesem Augenblick, dass ich unfähig bin, seinem Wunsch zu dienen; ich werfe mich ihm zu Füßen und gestehe mit offener Ehrlichkeit, dass ich Sie liebe. Wollen Sie?

Wilhelmine (schwankend). Nimmermehr!

Erbprinz. Sie zittern, Prinzessin? Ich fühle, dass Ihr kindliches Herz vor dem Gedanken bebt, Ihren Aeltern zu trotzen und der Stimme Ihrer eigenen Wahl zu folgen. Aber—sagen Sie, glauben Sie an das Herz Ihres Vaters?

Wilhelmine. Es ist voll Güte und Liebe.

Erbprinz. Wohlan! Er hat mich ausgezeichnet, er hat Vertrauen zu mir gewonnen. Die Anwesenheit des Prinzen von Wales reizt ihn, dieser Kühnheit die Stirn zu bieten. Ich schildere ihm die Lage meines Herzens, und dann Wilhelmine—dann?—Wenn er die Hand versagt?

- (a) Give the historic basis of this play.
- (b) Mention some of its most comical situations.
- (c) Sketch in German the intrigue.

## II.

1. Translate, referring to the context :

Ich hasse dich und dein Geschenke—Ich will  
Nicht Schonung —Tödtete deinen Feind der dich  
Verabscheut, der dich tödten wollte.—

Ruhig meine Damen. Wir sind ohne Gefahr. Dieser Abend wird Schlag auf Schlag eine Ueberraschung nach der andern bringen. Wen vermuthen Sie wohl dort an der Thür ?

2. Quote as much of the continuation of the following verses as you can, and tell where they occur :

- (a) Lebt wohl, ihr Berge, ihr geliebten Triften,  
Ihr traulich stillen Thäler, lebet wohl!—
- (b) Wehe! Weh mir! Welche Töne!  
Wie verführen sie mein Ohr!—

3. Translate into idiomatic German :

I do not owe you anything.—Can you serve the prince's wishes?—I defy you, and I will not follow your command.—I am burning with the desire to make the acquaintance of a prince whom my son honored with his friendship.—Make an impression upon him.—I am intoxicated with joy.—

4. Give an account of each of the authors.





## Junior German.

### THIRD PAPER.

#### I.

##### 1. Translate :

Wer auch so schlafen könnte wie die Vögel,  
Doch lang und länger, ohne zu erwachen,  
Im Schoosse eines festern, süßern Schlummers,  
Wo Alles—Alles—selbst die Pulse schlafen,  
Kein Morgenstrahl zu neuen Qualen weckt,  
Kein Undankbarer—Halt!—*Tritt* nicht die Schlange!

(Mit gedämpfter Stimme.)

Der Mord ist wohl ein grässliches Verbrechen,  
Und Raub und Trug, und wie *sie* alle heissen,  
Die Häupter jener giftgeschwollenen Hyder,  
Die, an des Abgrunds Flammenpfuhl *erzeugt*,  
Mit ihrem Geifer diese Welt *verpestet*;  
Wohl grässlich, schändlich, giftige *Verbrechen!*  
Doch kenn' ich eins, vor dessen dunklem Abstich  
Die andern alle lilienweiss erscheinen,  
Und Undank ist sein Nam'! Er übt allein,  
Was alle andern einzeln nur verüben,  
Er lügt, er raubt, betrügt, schwört falsche Eide,  
Verräth und tödtet!—Undank!—Undank!—Undank!

(a) Analyze the first sentence, supplying in German necessary words and clauses.

(b) Parse the italicized words.

(c) *Hyder*—Explain the allusion.

(d) Account for the feelings shown by the speaker.

(e) What is the ethical purport of this drama?

(f) Remark on (a) its historic truth, (b) action.

2. Write in German an abstract of (a) *Klein Roland*, (b) *Des Sängers Fluch*, introducing appropriate quotations where you can.

3. Quote (a) *Siegfried's Schwert*, and (b) *Der gute Kamerad*.

4. Appreciate Uhland's poetry, with reference to any of the *Balladen* and *Romanzen* under consideration.

## II.

Translate :

(a) An einem kalten Spätherbsttag wollte der Doktor Korteck einen seiner wenigen Patienten auf dem nächsten Rittergut besuchen; als er jedoch an des Oberstlieutenants Landhaus vorüberkam, liess er den Wagen halten und stieg ab.

“Ist Besuch da ?” fragte er den Diener, der ihm im Hausflur den schweren Mantel abnahm.

“Jawohl, der Herr Amtsrichter.”

Der Doktor schnitt eine Grimasse. “Ich denke, er war gestern hier.”

“Jawohl,” sagte der Diener, “und der Herr Baumeister Wegerich kam auch wegen der Luftheizung. Das will nicht recht gehen.”

(b) Nach Beendigung des Unterrichts hüllte ich mich gegen den Regen in einen Wachstuchmantel und ging nach dem Dorfe, das durch den Park und angrenzende Wiesen vom Schloss getrennt war. Es wehte ein kalter Nordwestwind draussen und trieb mir auf unerfreuliche Weise die Regentropfen ins Gesicht. Die ganze Gegend sah grau aus und trübe, das Dorf schmutzig, die Häuser fleckig und feucht und die wenigen Leute auf der Strasse gedrückt und missmuthig. Ich war recht froh, als ich in dem Steinflur der Schule Regen und Unbehagen abschütteln und meinen Mantel an den Nagel hängen konnte.

(a) Refer (b) to its context.



## Senior German.

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### FIRST PAPER.

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#### I.

Translate at sight into English :

1.           “Sehr vortrefflich,” sprach der Freiherr,  
“Wenn das so steht, mögt Ihr wohl den  
Weitern Theil der Rede hören.  
Aber lasst sie uns mit einem  
Trunke alten Weines würzen.”  
Sprach’s; des Freiherrn Sinn errathend  
Schritt zum Keller Margaretha,  
Brachte zwei verstäubte Flaschen,  
Die von Spinnweb überzogen  
Halb im Sand begraben lagen,  
Brachte zwei geschliffne Becher  
Und credenzte sie den Männern.  
“Dieser wuchs noch, eh der lange  
Krieg im deutschen Land getobt hat,”  
Sprach der Freiherr,—“’s ist ein alter  
Auserles’ner Wein von Grenzach.  
Glänzend blinkt er im Pokale,  
Schwer, gediegen, lauterm Gold gleich,  
Und er haucht ein Düftlein, feiner  
Als die feinste Blum’ im Treibhaus.  
Angestossen, Herr Trompeter!”

Scheffel.

2. Alltägliche Dinge pflegen unsere Aufmerksamkeit nicht in Anspruch zu nehmen; unser Nachdenken wird durch sie nur wenig angeregt. Nun ist nichts alltäglicher als die Wörter, welche unsere Rede bilden, als die Sätze, die uns gewöhnlich beim Lesen entgegengetreten. Und doch besteht in den Kreisen gebildeter Männer eine lebhaftete Teilnahme für die Erscheinungen der Sprache, doch bilden sprachliche Dinge oft genug den Stoff unserer geselligen Gespräche. Wie ist diese Thatsache zu erklären? Wenn wir für einen und denselben Gedanken stets die gleiche Form des Ausdrucks gebrauchen würden oder von Andern gebraucht sähen, so würden ohne Zweifel sprachliche Fragen uns so gleichgiltig lassen, wie die Wahrnehmung, dass das Wasser



bergab fließt oder das Eisen rostet. Eine solche Gleichheit besteht aber thatsächlich nicht; auf Schritt und Tritt stoßen wir auf Verschiedenheiten: nach Zeit, nach Ort, nach der Persönlichkeit des Redenden.

Diese Unterschiede vor allem sind es, welche das Nachdenken herausfordern. Sie sind keine zufälligen, sie sind notwendige, jederzeit auftretende Erscheinungsformen im Leben der Sprache; sie bilden in ihrer Gesamtheit die Geschichte derselben. Diese Geschichte der deutschen Sprache zu schreiben, um damit ein Verständnis zu gewinnen für ihren jetzigen Zustand, das ist die Aufgabe unserer Darstellung.

Unter der deutschen Sprache versteht man gewöhnlich und verstehen wir die Sprache der deutschen Stämme. Das Gebiet derselben deckt sich also im Wesentlichen mit dem des deutschen Reiches; es reicht aber noch hinaus über dessen politische Grenzen: es umfasst auch die deutsche Schweiz, Deutsch-Oesterreich, die Deutschen in den Ostseeprovinzen, die deutschen Ansiedler in Ost und West, und endlich—in etwas loserer Zugehörigkeit—die Niederlande.

Behagel.

## II.

Translate into German :

1.           “Down to the vale this water steers,  
              How merrily it goes!  
              ’Twill murmur on a thousand years,  
              And flow as now it flows.  
  
              “And here on this delightful day,  
              I cannot choose but think  
              How oft, a vigorous man, I lay  
              Beside this fountain’s brink.  
  
              “My eyes are dim with childish tears,  
              My heart is idly stirred;  
              For the same sound is in my ears  
              Which in those days I heard.  
  
              “Thus fares it still in our decay;  
              And yet the wiser mind  
              Mourns less for what age takes away  
              Than what it leaves behind.  
  
              “‘The blackbird in the summer trees,  
              The lark upon the hill,  
              Let loose their carols when they please,  
              Are quiet when they will.

Wordsworth.

2. I believe the first test of a truly great man is his humility. I do not mean by humility doubt of his own power, or hesitation of speaking his opinions, but a right understanding of the relation between what *he* can do and say and the rest of the world's sayings and doings. All great men not only know their business, but usually know that they know it; and are not only right in their main opinions, but they usually know they are right in them: only they do not think much of themselves on that account. Arnolfo knows that he can build a good dome at Florence; Albert Dürer writes calmly to one who has found fault with his work, "It cannot be better done;" Sir Isaac Newton knows that he has worked out a problem or two that would have puzzled anybody else: only they do not expect their fellow-men therefore to fall down and worship them. They have a curious under-sense of powerlessness, feeling that the greatness is not *in* them but *through* them, that they could not do or be anything else than God made them; and they see something divine and God-made in every other man they meet, and are endlessly, foolishly, incredibly merciful.

Ruskin.

### III.

Subject for German Composition : "Der Schimmelreiter."





## Senior German.

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### SECOND PAPER.

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#### I.

Translate :

1. Denken die Himmlischen  
Einem der Erdgebor'nen  
Viele Verwirrungen zu,  
Und bereiten sie ihm  
Von der Freude zu Schmerzen  
Und von Schmerzen zur Freude  
Tief erschütternden Uebergang:  
Dann erziehen sie ihm  
In der Nähe der Stadt,  
Oder am fernen Gestade,  
Dass in Stunden der Noth  
Auch die Hülfe bereit sey,  
Einen ruhigen Freund.  
O segnet, Götter, unsern Pylades,  
Und was er immer unternehmen mag!  
Er ist der Arm des Jünglings in der Schlacht,  
Des Greises leuchtend Aug' in der Versammlung:  
Denn seine Seel' ist stille; sie bewahrt  
Der Ruhe heil'ges, unerschöpftes Gut,  
Und den Umhergetriebnen reichet er  
Aus ihren Tiefen Rath und Hülfe. Mich  
Riss er vom Bruder los; den staunt' ich an  
Und immer wieder an, und konnte mir  
Das Glück nicht eigen machen, liess ihn nicht  
Aus meinen Armen los, und fühlte nicht  
Die Nähe der Gefahr, die uns umgiebt.

- (a) Give the history of the production of this work.
- (b) Compare it with its original.
- (c) Describe in German the character of Iphigenie.
- (d) Scan the first and the last lines.

2. Sie wären alle belohnt, wenn sie branch gelebt hätten. Aber so lebten die Herren während des Kriegs, als ob ewig Krieg bleiben würde; als ob das Dein und Mein ewig aufgehoben sein würde. Jetzt liegen alle Wirthshäuser und Gasthöfe von ihnen voll: und ein Wirth hat sich wohl mit ihnen in Acht zu nehmen. Ich bin mit diesem noch so ziemlich weggekommen. Hatte er

gleich kein Geld mehr, so hatte er doch noch Geldeswerth, und zwei, drei Monate hätte ich ihn freilich noch ruhig können sitzen lassen. Doch besser ist besser.—Apropos, gnädiges Fräulein, Sie verstehen sich doch auf Juwelen?

(a) Give the place of this extract in the plot.

(b) *Minna von Barnhelm* is called the first German national play. Explain.

(c) Criticise style, plot, and individualization of character.

3. Die Sonne war aufgegangen, auf der Strasse kamen uns Menschen entgegen; ich nahm, obgleich mit innerlichem Widerwillen, den Antrag an. Er liess lächelnd meinen Schatten zur Erde gleiten, der alsbald seine Stelle auf des Pferdes Schatten einnahm und lustig neben mir hertrabte. Mir war sehr seltsam zu Muth. Ich ritt an einem Trupp Landleute vorbei, die vor einem wohlhabenden Mann ehrerbietig mit entblösstem Haupte Platz machten. Ich ritt weiter und blickte gierigen Auges und klopfenden Herzens seitwärts vom Pferde herab auf diesen sonst meinen Schatten, den ich jetzt von einem Fremden, ja von einem Feinde, erborget hatte.

(a) What does the 'Shadow' signify?

(b) What features of the Romantic School are found in *Peter Schlemihl*.

## II.

1. Translate into English, referring to the context :

Der Mann, der mich jetzt mit allen Reichthümern verweigert, wird mich der ganzen Welt streitig machen sobald er hört dass ich unglücklich und verlassen.—O, dass in meinem Busen nicht zuletzt Ein Widerwille keime, der Titanen, der alten Götter, tiefer Hass auf euch, Olympier, nicht auch die zarte Brust mit Geierklauen fasse.—Auch Eurem alten Freund ergeht es nun besser als damals, and büsset er, so ist es Busse der Versöhnung.

2. Translate into German :

The impertinent thing is making a fool of you.—I would give a good deal if I had the key of it.—You will deprive me of my reason.—A herd of cattle met me on the road at sunrise.







## Senior German.

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### THIRD PAPER.

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#### I.

Translate the following extracts and refer them to their respective works, indicating in each case the context :

1. Ich nahm das dankend an; denn auch mich wollte hier zu frösteln anfangen, und wir stiegen unter Mitnahme eines Lichtes die Stiegen zu einer Giebelstube hinauf, die zwar gleichfalls gegen Westen hinauslag, deren Fenster aber jetzt mit dunklen Wollteppichen verhangen waren. In einem Bücherregal sah ich eine kleine Bibliothek, daneben die Porträte zweier alter Professoren; vor einem Tische stand ein grosser Ohrenlehnstuhl. "Machen Sie sich's bequem!" sagte mein freundlicher Wirth und warf einige Torf in den noch glimmenden kleinen Ofen, der oben von einem Blechkessel gekrönt war. "Nur noch ein Weilchen! Er wird bald sausen; dann brau' ich uns ein Gläschen Grog; das hält Sie munter!"

2. Gut, ich will reden, Warum bist du abgereist ohne mich oder meine Braut etwas wissen zu lassen? Warum gehst du mit deinem Mädchen lieber stolz und trotzig ins Elend, als dass du deinem Freunde deine Lage entdeckst? Sieh, wäre ich dir nicht schon seit heute morgen auf der Fährte—ich hätte dir Steckbriefe nachgeschickt wie einem Diebe, denn du hast mich um das Vergnügen bestehlen wollen dir meinen Dank abzutragen.

3. Zu dem Ringe bin ich gekommen wie jener zur Ohrfeige! Hält mich die alte Mamsell für meinen Doktor und liest mir ihre Gedichte vor. Sapperment die waren schön, denn sie hat geschrien dabei und mit den Händen gefochten, dass es eine Luft war. Sie hat mich gebeten ich möchte sie heute besuchen,—warum sollte ich nicht? Vielleicht fällt wieder ein Ringelchen ab oder sonst etwas—und ich habe ja nichts dabei zu thun, als zuzuhören.

4. Die Thür öffnete sich, und herein trat mit festem Gange die erhabene Gestalt einer Matrone. Die hohe Haltung trotz der Jahre, die stechenden Augen, die von dem grauen Haar beschattet, der Zug der gewölbten Lippen, Alles deutete auf Festigkeit und Unerschütterlichkeit. Das Gesicht war ein Buch, auf das das Leben ernste Züge eingeschrieben hatte. Ich sah scheu zu dem Blick empor, mit dem sie stumm die Enklein grüsste, die leise bebend das Haupt senkte. Das Auge hatte längst verlernt

zu weinen. Die Grossmutter sah lange die Enkelin an, die den Blick fühlte und den Kopf nicht zu erheben wagte. Die Züge der Matrone veränderten sich nicht, aber der forschende Blick las auf dem stumm gebeugten Gesicht des lieblichen Mädchens wie in einem aufgeschlagenen Buche.

(a) Discuss the 'local coloring' of the *Schimmelreiter*.

(b) Characterize *Doktor Wespe* and state its tendency.

## II.

1. The influence of the literature of England on that of Germany during the 18th century.

2. An account of the life, works, and influence of Lessing.

3. The life and works of Goethe up to the time of the production of *Iphigenie auf Tauris*..

4. Notes on : Gottsched, Herder, Klinger, Tieck, Uhland, Heine.



## Junior Science.

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### *Zoology.*

1. How is an organism distinguished from inorganic matter?
2. Describe the structure of bone. How is it nourished?
3. Describe the structure of a human tooth.
4. Give general characters of the Protozoa, and describe a typical Protozoan under the heads of (1) Locomotion, (2) Nutrition, (3) Reproduction.
5. Define the terms:—Perisarc Otoliths, Velum, Gonophore, Scyphistoma, Gastrula, Ampulla.
6. State briefly what structures are found in a cross-section of the arm of a Star-fish.
7. How do Arthropoda differ from Vermes?
8. How is respiration carried on in the Hexapoda?
9. Describe a typical dorsal vertebra of the human skeleton. Name the bones of the face and tarsus.
10. Give the general characters of the vertebrata.



## Junior Science.

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### *Botany.*

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1. What are the four members into which a common plant may be divided? Name the organs or structures included in each.
2. Describe three Branch-Systems, or modes of branching.
3. Describe fully two modes of Cell-formation.
4. Give a list of (1) six essential elements of plant-food, and (2) six non-essential elements found in the ash.
5. Explain how the transpiration of plants is affected by (1) moisture in the air, (2) rise of temperature, (3) the character of the ~~lenses~~ *leaves*.
6. Describe the mode of growth of a Stoma and explain its uses.
7. What effect does the absence of iron in the food of a plant produce in it?
8. Name the parts of a complete flower, and state the uses of each.



## Senior Science.

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### *Geology.*

1. Mention the three leading oxides of Iron, give their chemical formulae and the characters by which they are distinguished.

2. Give the principal rocks which are classed as (1) Carbonates, (2) Sulphates, (3) Phosphates.

3. Describe the geological work of rain under the heads of (1) chemical action, (2) mechanical action.

4. Write notes on any two ways in which the mechanical action of rivers performs geological work.

5. Give a classification of lakes and mention their geological functions.

6. Explain two ways in which glaciers perform their work.

7. Give a classification of the geological effects of organic life.

8. Write notes on (1) the structure of volcanoes, (2) their geological effects.

9. By what means do geologists prove the secular elevation and depression of large areas of the earth's surface.

10. Give in tabular form the principal divisions of the Palaeozoic rocks and the kinds of rock in each.







## Junior Chemistry.

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*Eight questions (of which 8 must be one) constitute a complete paper.*

1. Write an outline of the chemistry of the Calcium Family.

2. Discuss the causes of chemical change.

3. (a) Describe *three* ways in which chlorine can be prepared. (b) Write the equations. (c) Calculate the wt. of chlorine in 100 lbs. of sodium chloride.—[Na=23, Cl=35.4].

4. Write an outline of the properties of nitric acid under the heads, (a) *physical* and (b) *chemical*.

5. Mention the substances formed by the action of chlorine on (a) phosphorus, (b) ammonia, (c) cold dilute solution of sodium hydroxide, (d) solution of ferrous chloride, and (e) water in sunlight. Write the equations.

6. Write a short account of the chemistry of fluorine.

7. Describe carefully how you have prepared and tested the properties of hydrogen. Sketch the apparatus used.

8. Show how the atomic theory explains the laws of chemical combination.

9. Describe carefully the chemical changes which take place in a candle-flame.

10. (a) Mention facts which show the intermediate position of antimony between the metals and the non-metals. (b) Mention other elements which occupy a similar position.

11. Write notes on the compound radical *ammonium*.

12. Show the resemblance of chromium (a) to iron and (b) to sulphur.

## Senior Chemistry.

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### I.

1. Give a working definition of atomic wt., pointing out hypotheses involved.

2. Derive the equation:— $M=28.87 S$ , and indicate the range of its application.

3. The specific weights (Air=1) of three oxides of a certain element are:—A.....1.527; B.....1.041; C.....1.72. The percentage of the element is in A.....63 per cent; in B.....46.7 per cent; and in C.....29 per cent. Calculate the atomic wt. of the element.

4. Show by means of examples the meaning of the terms *period*, *group*, and *family* as used in the natural classification of the elements.

### II.

5. (a) Write an account of the chemistry of oxalic acid. (b) Give names and formulas of other acids of the same series.

6. (a) What substances are formed when benzoic acid is heated with lime? (b) Compare this with the ordinary method of preparing methane.

7. Describe the reactions by means of which the constitution of acetic acid has been arrived at.

### III.

8. (a) Define *crystal form*. (b) Show that the symmetry of the cubic system requires for a complete form 24 surfaces with parameters  $a : a : ma$ .

9. (a) Compare the regular octahedron, the tetragonal prism of the 1st order (protoprism), and the rhombic prism. (b) Why is there no orthorhombic prism of the 2nd order (deuteroprism)?

10. (a) Describe the regular form  $a : ma : na$ . (b) What are the corresponding forms in the tetragonal and orthorhombic systems?





## Junior Chemistry—(Medical).

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1. Write an outline of the chemistry of the magnesium family.
2. Enumerate the different kinds of evidence by means of which we judge whether a chemical change has taken place. Mention chemical changes in illustration.
3. (a) Classify chemical changes, (b) describe an example of each class, and (c) write the equations.
4. (a) Describe *three* ways in which hydrogen can be prepared. (b) Write the equations. (c) Calculate the wt. of oxygen in 100 lbs. of pure water.
5. Write an outline of the properties of ammonia under the headings (a) *physical* and (b) *chemical*.
6. Describe the action of nitric acid on (a) iodine, (b) phosphorus, (c) iron, (d) arsenic trioxide, and (e) bismuth trioxide. Give the equations.
7. Mention the substances formed when solution of sodium hydroxide acts upon (a) solution of ferrous sulphate, (b) ammonium sulphate, (c) iodine, (d) sulphuretted hydrogen, and (e) phosphoric acid. Give the equations.
8. Show how the atomic theory explains the laws of chemical combination.
9. Describe carefully how you have prepared and tested the properties of nitrogen dioxide. Sketch the apparatus used.
10. Write a short account of the chemistry of hydrobromic acid.

## Senior Chemistry—(Medical).

### I.

1. Write an outline of the chemistry of *tartar emetic*.
2. (a) Write formulas for the theoretically possible alcohols of the formula  $C_4H_9.OH$ . (b) What are the practical differences between primary, secondary, and tertiary alcohols?
3. Write an outline of the chemistry of oxalic acid.
4. What are the characteristic differences between benzene and (a) paraffins and (b) olefines?
5. (a) Classify the *proteids*. (b) Mention five general tests for proteids. (c) What are the distinctive characters of *peptones*?

### II.

#### *Practical.*

1. Test the sample of urine for (a) *albumin*, (b) *sugar*.
2. What inferences would you draw from the *color*, *reaction*, and *specific gravity* respectively of the sample of urine?
3. Apply the *murexide test* for *urates* to the sample labelled *x*.
4. Test the solution labelled *a* for *nitric acid*.
5. The liquid labelled *b* is suspected to contain *oxalic acid*. Test it.
6. Test the sample labelled *c* for *carbolic acid*.
7. (a) Prove that the liquid labelled *d* is *chloroform*. (b) Test it for impurities.
8. Test the solution labelled *e* for *mercury*.
9. Test the sample labelled *f* for *morphine*.

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#### **Analytical Chemistry** (Medical).

1. Analyse the three numbered solutions, each containing not more than one base and one acid.
2. Analyse the two solids marked *a* and *b*.





## Senior Chemistry.

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### *Qualitative Analysis.*

Analyse the two solutions marked *a* and *b*, containing not more than two acids and two bases.

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HONOURS.

### Chemistry.

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### *Qualitative Analysis.*

Analyse : (1) The solid substance marked A.

(2) The alloy marked B.

(3) The solution marked C.





## First Hebrew.

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1. Translate (1) Gen. xxxvii, 7, 20, 27.

(2) Ruth ii, 12-18.

(3) I Sam. viii, 12, 13.

(4) Ps. xix, 4, 5.

(5) “ xx, 6, 9.

(6) “ xxii, 24-26.

2. Analyze (1) דְּבַתָּם Gen. xxxvii, 2.

(2) כְּתָנֶת “ “ 3.

(3) אֱלֹמִים “ “ 7.

(4) אִמְתָּךְ Ruth iii, 9.

(5) הָבִי “ “ 15.

(6) שְׁעָרִים “ “ 17.

(7) וּלְכָל־כֹּל “ iv, 15.

(8) וּבִכְפָּרֶשֶׁי I Sam. viii, 11.

(9) וּלְחָרָשׁ “ “ 12.

(10) שְׂרוּתֵיכֶם “ “ 14.

3. What is the difference between (1) רַחֵץ R. iii, 3 and כִּבֵּם ? (2) קָצִיר I Sam. viii, 12 and קִיץ ?

4. Account for the omission of the substantive to which שֵׁשׁ refers R. iii, 15.

5. Give the other reading for **בְּחֹרֵיכֶם** I Sam. viii, 16, and state why it is preferred.

6. What hints does the book of Ruth contain as to the date of the authorship?

7. Point out the peculiarities of syntax in Ruth and account for them.

8. Into how many sections is Genesis divided, and how does each begin?

9. Explain "Aijeleth hash-Shahar" in the inscription of Ps. xxii.

10. Shew that Ps. xxii, is Messianic.

11. Discuss **נָאֲרִי** Ps. xxii, 17.

12. Shew that the translation of **רָמִים** in the A. V. Ps. xxii, 22, is incorrect.

13. Where were Beersheba, Ramah, Bethlehem (2), Shechem, Hebron, Moab, Midian?

14. In **לִּיה** verbs when is **ה** omitted, and when is it changed into '?

15. Name the three different kinds of parallelism, and give an example of each.







FIRST YEAR HONOURS.

Latin.

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Examiner : MR. FLETCHER.

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I.

Translate : (a) Tacitus, *Annals*, B. I, ch. 2.

(b) *Ibid.*, ch. 58 to *maluerit*.

1. Write notes on *Brutus*, *Pompeius*, *Antonius*, *Caesar*, *Arminius*, *Varus*.

2. *Tribunicio jure*. What powers were conferred by this?

3. Write down the *oratio obliqua* (after *dixit*) of all verbs in (b).

4. Sketch the character of Tiberius.

5. Give some account of the *Lex Majestatis*.

6. "The fatalism of Tacitus was due to the political régime under which he lived." Explain.

II.

Translate : (a) Lucretius, *De Rerum Natura*, vv. 258–275.

(b) *Ibid.*, vv. 1024–1035.

1. Define Lucretius' conception of *animus* and *anima*.

2. Explain the historical allusions in (b).

3. What is known of the life of Lucretius?

4. Compare the hexameter of the *Aeneid* with the hexameter of the *De Rerum Natura*.

5. What is *didactic* poetry? What aesthetic objections to it?

HONOURS.

Latin.

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Examiner : MR. FLETCHER.

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I.

Translate : (a) Cicero, *Pro Murena*, § 62.

(b) *Pro Ligario*, § 19.

1. Write notes on *Cato, publicani, momenti, secessionem*.
2. Explain, generally, the meaning of extract (a), and shew its connection with the general argument.
3. Give some account of the war referred to in (b).
4. Estimate Cicero's special excellences and defects as an orator.

II.

Translate : (a) Livy, B. 21, ch. 4, from *Nunquam* to *finitis*.

(b) *Ibid.*, ch. 32, from *Tum* to *dedissent*.

(c) *Ibid.*, ch. 58, from *Vento* to *visum est*.

1. What special difficulties in translating Livy into idiomatic English?
2. State and criticise Livy's conception of history.
3. Sketch the events that led to the second Punic war.
4. Write notes on *falarica, Aegates insulae, Gallicus tumultus, occidente sidere Vergiliarum, pulvinaria*.
5. Draw a rough map of ancient Italy, showing the main divisions.



## Latin Composition.

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### I.

Translate into Latin :

Though he despised the applause so often bestowed upon demagogues, he was not ignorant of the path that leads to true distinction. True glory and happiness, in his opinion, while implying precedence in point of honour implied also equality in point of liberty. His life consisted of disinterested public service, and he reaped his reward in the respect and affection of his country. On this point the testimony of his countrymen is unanimous. Other statesmen have been esteemed, other statesmen have been honoured; but *he* is enshrined in the nation's heart. Statues and popular ballads will long keep his memory green, but we shall not easily find consolation for our grief at the death of our great liberator.

### II.

Translate into Latin :

True glory, then, according to his own definition of it, is a wide and illustrious fame of many and great benefits conferred upon our friends, our country, or the whole race of mankind. It is not, he says, the empty blast of popular favour, or the applause of the giddy multitude, which all wise men had ever despised, and none more than himself,—but the consenting praise of all honest men, and the incorrupt testimony of those who can judge of excellent merit, which resounds always to virtue, as the echo to the voice; and since it is a general companion of good actions, ought not to be rejected by good men. That those who aspire to this glory were not to expect ease, or pleasure, or tranquillity of life for their pains; but must expose themselves to storms and dangers for the public good, sustain many battles with the audacious and the wicked, and some even with the powerful; in short, must behave themselves so as to give their citizens cause to rejoice that they had ever been born.

Middleton.

Translate at sight :

*The Ransoming of Rome from the Gauls.*

Livy, B. V, ch. 48.





HONOURS.

Latin.

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*Plautus and Terence.*

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*Examiner :* MR. CARMICHAEL.

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Translate, with short notes upon the language :

(a) Plautus, *Trinummus*, 305–323.

(b) Ibid., 674–695.

(c) Terence, *Phormio*, 534–566.

1. Explain *Trinummus*, vv. 217–21, 484, 862; *Phormio*, 150, 329, 780, 983–4.

2. What information do we get from these plays about marriage laws and customs, money, banking, the life of slaves and the position of minors?

3. Describe the life which Roman comedies represent, and estimate the moral effect of the representation.

4. Compare Plautus and Terence, illustrating your remarks, where possible, by reference to these plays.

HONOURS.

Latin.

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Cicero, *De Natura Deorum*, B. II.

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*Examiner :* MR. FLETCHER.

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1. Translate § 17 from *An ne hoc*. Re-state the argument in your own words. How does he apply it?

2. Translate § 25 from *Nam et*. What is he trying to prove here? How far are the statements in the extract correct?

3. Translate § 35 to *perfici*. What is the argument here?

4. Translate, with short notes, § 49 to *cognoscuntur*.

5. Translate § 64 from *Saturnus* to *alligaret*. Explain this method of interpreting mythology. What other methods have been proposed?

6. Translate and explain § 105. Explain the meaning of our word *cynosure*.

7. In what constellations are *Algol*, *Arcturus*, *Capella*, the *Pleiades*?

8. Translate and explain § 136 to *nervis*.

9. “*De rebus agimus quae sunt etiam negotiis antependae.*” How far does this represent Cicero’s real view of the importance of philosophy?





HONOURS.

**Latin.**

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*Examiner :* MR. NICHOLSON.

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Translate :

Horace, *Odes* (a) I, 14.

(b) II, 15.

(c) III, 6, 21-36.

(d) IV, 5, 1-16.

1. Quote from Horace passages that throw light upon his principles and personal history.

2. What was the political theory of Horace?

3. What models did Horace follow in his Odes?

4. Point out some odes whose composition is connected with contemporary events.

5. Translate and explain :

(a) Cadum Marsi memorem duelli.

(b) Quem Venus arbitrum dicet bibendi.

(c) Barbite, Lesbio primum modulate civi.

(d) Dis pietas mea et musa cordi est.

(e) Alteris te mensis adhibet deum.

(f) Inclusus equo Minervae sacra mentito.





HONOURS.

Latin.

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Examiner : MR. NICHOLSON.

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I.

Translate :

Horace, *Satires*, (a) B. I, 4, 1-21.  
(b) B. II, 6, 1-15.

1. To what extent is Horace indebted to Lucilius? What criticisms does he pass on Lucilius?

2. Compare the Latin Literature of the Republican age with that of the Augustan age, and show the effects of politics on the literature of these periods.

3. What are the chief characteristics of Horace?

4. Translate and explain : *quia tanti, quantum habeas, sis—ultra legem tendere opus—quisquis erit vitae scribam color—metuo majorum ne quis amicus frigore te feriat—tu pulmentaria quaere sudando.*

II.

Translate :

Juvenal, *Satires*, (a) III, 171-189.  
(b) X, 273-288.

1. State the subjects of *Satires* III and X.

2. What influence had the influx of foreigners on the state of Roman society?

3. Compare Juvenal with his predecessors in Roman Satire.

4. Translate and explain : *vacuis sedem figere Cumis—verso pollice quem libet occidunt—audi facinus majoris abollae—hic ultra vires habitus nitor—vervecum in patria—ex quo suffragia nulli vendimus—Panem et Circenses.*

HONOURS.

Latin and Greek Grammar.

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Examiner : MR. NICHOLSON.

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1. Write out in full the present tense of *volo, nolo, malo, fio, fero, feror*.

2. What is the construction of *licet, miseret, decet, pertinet, pudet*?

3. Account for the expressions—*tua interest te valere; mea refert*.

4. When do *ut* and *qui* take the ind. and subj. respectively?

5. ‘*Non dubito fore plerosque.*’ Discuss this construction. When is *non dubito* followed by the infinitive?

6. State the cases in which *that* should be rendered by *ut, quod*, or the accusative with the infinitive.

7. Which tenses of ἵστημι have a transitive force and which an intransitive? Mention any other verbs having the like peculiarity.

8. What constructions follow πρίν and ἕως?

9. What exceptions are there to the statement that the idea of past time is absent from the moods?

10. Give the chief distinguishing peculiarities of the (a) Ionic, (b) Doric, and (c) Attic dialects.

11. Give instances of verbs with double augment. How would you explain them?

12. Translate οὐ μὴ ποιήσῃς τοῦτο and explain the construction.

13. Distinguish between ἵνα with and without the particle αὖ.







HONOURS.

Latin.

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Vergil, *Aeneid*.

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Examiner : MR. FLETCHER.

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1. Translate and refer each extract to its proper place in the story : (a) *Aen.* II, 771-780.

(b) *Aen.* IV, 450-463.

(c) *Aen.* VII, 341-353.

(d) *Aen.* IX, 205-215.

2. Translate and explain :

(a) *Aen.* I, 283-296. (b) *Aen.* VI, 847-853.

What light do these lines throw upon the motive of the *Aeneid* ?

3. "The *Aeneid* is essentially the epic of national glory." Illustrate by reference to passages in the poem.

4. Translate and explain :

*Aen.* IX, 641-44.

What, according to Vergil, is the ultimate mission of Rome ? Refer to other passages which show the modern spirit in Vergil.

5. Translate and explain :

*Aen.* X, 105-115.

What is the prominent religious idea of the *Aeneid* ? How does it influence the action of the poem ?

6. Estimate Vergil's success in delineating character. Sketch the character of Aeneas.

7. "The *Aeneid* is the first example of the Romantic Epic." Explain.

## HONOURS.

### Greek Prose.

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*Examiner* : MR. MACNAUGHTON.

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#### I.

After Xerxes had crossed the Hellespont with his Oriental hordes, had taken Thessaly, and, by the aid of traitors, had forced the impregnable pass of Thermopylae, he very naturally thought that all resistance must be now at an end, and that the Southern Greeks must be awaiting their imminent doom in fear and trembling. Now it happened that certain Arcadians entered his camp, a sort of vagrant folk who were roaming about the country in search of employment. These were brought before the king and asked what the Greeks were doing. "They are keeping the Olympian Festival"—was the unexpected reply—"they are watching the games and chariot races." Questioned further as to the prize competed for in those games they said it was a wreath of olive. Thereupon one of the Persian Grandees gave utterance to a sentiment no less noble than profound though some of the others could see in it nothing but mere cowardice: "Ah," said he at the mention of the olive crown, "what manner of men are these, Mardonius, that you have led us against who strive not for gold and silver but for the praise of manly virtue."

#### II.

Even before his ascension, Henry the Fourth King of France had given unmistakable evidence of the very highest military capacity. He took a personal part in all the Religious Wars which devastated France in his day. Though not invariably victorious, he always carried away laurels from his battle-fields. After his succession, on the death of Henry the Third, it took him years of constant fighting to make good his title to the crown. The siege of Paris in particular cost him a vast amount of unavailing effort, until at last he entered its gates in terms of a treaty. Still it would be a great mistake to regard him as bellicose in temper. He was the first Prince who ever thought of abolishing war altogether. He conceived the magnificent idea of founding an international Court of Arbitration for all Europe; so that henceforth disputes should be settled by judicial verdict instead of by the sword.

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### Greek.

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*Sight Translation.*

Thucydides III, Chaps. 72, 73, 74—*θόρυβον*.



HONOURS.

Comparative Philology.

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Examiner : MR. NICHOLSON.

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1. When does Attic preserve original long *a*?
2. Show that the case-ending is identical in *noctem* and *νύκτα*.
3. Explain the quantity of the final syllable in *πατήρ* and *pater*.
4. State and illustrate Osthoff's Law.
5. Restore the I. E. form of *ἐχατόν*.
6. Explain *-orum* in *equorum* and *-ας* in *κεφαλάς*.
7. Account for the genitives *πόλιος*, *πόλεος*, *πόλεως*.
8. Restore the I. E. forms of *πούς*, *pes*—*βοῦς*, *bos*. Account for the short vowel in oblique cases.
9. Why is *ποιέω* often scanned *ποέω* in tragedy?
10. Illustrate the more usual gradation-series.
11. From Sk. *dyaus*, Gk. *Ζεύς* and Lat. *dies* restore the I. E. form. Explain on phonetic grounds the derived forms.
12. Discuss the augment in I. E., Sanscrit and Greek.
13. Outline the history of the augment in Greek.
14. Explain the augmented tenses *ἑώραν*, *ἤβούλετο*, *ἔδλων*, *ἔωνούμην*, *ἔρρει*, *ἔλλιπε*, *ἔειπε*.
15. Show that the four Latin conjugations are derived from one original.



HONOURS.

Greek.

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*Examiner :* MR. NICHOLSON.

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I.

Translate :

Homer, *Odyssey* (a) B. II, 337-348.

(b) B. VI, 99-109.

1. Point out in the character of Nausicaa some touches of ancient and some of modern manners.

2. What are the great characteristics of Homer's genius, and how would you describe his style ?

3. In what respect does the Ulysses of Homer differ from the Ulysses of Tragedy ?

4. Discuss the Homeric Question.

II.

Translate :

Euripides, (a) *Alcestis*, 569-601.

(b) *Medea* 1021-1045.

1. What place did the *Alcestis* occupy in the Tetralogy to which it belonged ? Point out in the play any confirmation of its place.

2. What objections have been made to the conduct of the chorus in the *Medea* ?

3. What is the *moral* of the *Medea* ? Does it conform to Aristotle's definition "*Ἔστιν οὖν τραγῳδία μέμησις δι' ἐλέου καὶ φόβου περαινουσα τὴν τῶν τοιούτων παθημάτων κάθαρσιν* ?







Greek.

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Examiner : MR. NICHOLSON.

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I.

Translate : Euripides, *Medea* (a) 410-430.

(b) 1293-1305.

1. Parse (a) ἄραρε, ὑμνεῖσαι, ἀντάχῃς, (b) ἔσταντε, ἄραι.

2. δώσει δίκην. What serves as the active of this phrase? Give the corresponding Latin phrases.

3. "Euripides is the most modern of the Greek poets." Show the truth of this remark from the characters and situations of the play.

4. "His chorus is merely a superadded ornament, often ministering merely to the vanity of Athens." How far does this hold good of the *Medea*?

II.

Translate : Aeschylus, *Prometheus Vincit* (a) 284-297.

(b) 986-995.

1. Parse (a) ἴσθι, γνῶσει, ἐρεῖς, (b) χρεών, ἐκπείσῃ.

2. Translate vv. 747-750.

Show the force of the aorist ἔρριψα. Explain the use of ὅπως (final) with the indicative.

3. What indications are there in the play itself that it was a late production?

4. How may the Zeus of the P. V. be shown to be not inconsistent with the poet's portrayal of Zeus in his other dramas?

Greek.

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*Examiner :* MR. NICHOLSON.

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Translate : Homer, *Odyssey* (a) I, 267–278.

(b) II, 349–360.

(c) III, 102–117.

1. Parse (a) ἀπώσσαι, ξυνίει, πέφραδε, (b) ἄρσον, χεῖρον, τετύχθω, (c) ἔμνησας, ἀνέτλημεν, κατέκταθεν, ἀνιηθείς.

2. Give the derivation of (a) μνηστῆρας, (b) ἀμφιφορεῖσιν, λαρώτατος, κάμμορον, μυληφάτου, (c) ἄσχετοι, μήστωρ, ἀτάλαντος, ἀμύμων.

3. Give a sketch of the principal grammatical forms in Homer.

4. Illustrate from the preceding extracts the influence of the Digamma on Scansion.

5. Describe the condition of affairs in Ithaca during the absence of Odysseus.

6. In what do the merits of Homer as a writer consist?

7. Who were the *Chorizontes*?





HONOURS.

Greek.

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*Aristophanes and Pindar.*

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*Examiner :* MR. MACNAUGHTON.

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I.

1. Translate, with notes :

Aristophanes, *Clouds*, 299–322.  
1113–1130.

2. Explain τὰ χρήματα ἐνεχυράζομαι; θεοὶ ἡμῖν νόμισμα οὐκ ἔστι; σῶμα παρέχω ἀσχὸν δείρειν; παρεκώπην διχοεινίῳ; φρουρας ἄδων; θρασὺς εἰ πολλοῦ; ἐνὴ καὶ νῆα.

3. What are the various forms of sophistical activity caricatured in this Comedy?

4. Give some examples of the ideal and poetical element in Aristophanes.

II.

1. Translate, with notes :

Pindar, *Isthmian* III, 18–36.

IV, 1–17.

Point out and explain dialectical forms.

2. Explain ὀνοτός μὲν ἰδέσθαι; ἐν ἀνδρῶν παμφώνοις ὁμοκλαῖς; νεκταρέαις σπονδαῖσιν ἄροξαι; προμάχων ἀνδρῶν ἐνθ' ἄριστοι, ἔσχατον πολέμοιο νεῖκος ἐσχάταις ἐλπίσιν.

3. Illustrate the typical scheme of a Pindaric Ode.

4. Describe Pindar's ideal (a) of a young man, (b) of a man of ripe years.

HONOURS.

**Greek.**

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*Examiner :* MR. MACNAUGHTON.

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*Demosthenes, De Corona.*

1. Translate with notes :—107–109.  
308–310.
2. Explain the following words :—*βασκανία, ἔμπουσα, σπερμολόγος, γραφή παρανόμων, λειτουργεῖν, κίναδος, ἑξαρχος, ἔρανος.*
3. Give the substance of Demosthenes' discourse on Fortune.
4. Point to any indications in this speech of a careful study of Thucydides.
5. Give examples of the vividness of Demosthenes' metaphors.
6. What do you consider the chief secret of Demosthenes' power as an orator?
7. Relate the events connected with Amphissa.







HONOURS.

Greek.

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*Plato and Aristotle.*

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*Examiner :* MR. MACNAUGHTON.

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*Plato, Republic I-IV.*

1. Translate with notes Book II, chap. 8-C.  
Book IV, chap. 15-D.
2. Explain how the subject of the State comes to be discussed in this dialogue.
3. Describe and illustrate the Socratic Elenchus.
4. Give examples of the humour of Plato.
5. Sketch the City reduced to its simplest terms as described by Socrates. On what principle of Political Economy does he base the State?

*Aristotle, Nicom. Ethics, I, II, X.*

1. Translate Book II, chap. 9, 7-end.  
Book X, chap. 3, 5-8.
2. Exhibit the process of reasoning by which the chief good of man is found to be in the spiritual sphere.
3. What convenience does Aristotle find in the double sense of εὖ πράττειν?
4. Show that the Ethical Mean is not always equidistant from the extremes.
5. On what grounds does Aristotle give the preference to the Speculative over the Practical Life?

HONOURS.

Greek.

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*Examiner :* MR. NICHOLSON.

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I.

Translate with notes where necessary :

Herodotus, B. IX, cc. 39, 114.

1. Describe the movements of Mardonius before the battle of Plataea.
2. What part did the Milesians take in the battle of Mycale?
3. Distinguish *νέμεσις* from *φθόνος*. Does Herodotus attribute both to the Deity?
4. Give some characteristics of the style of Herodotus.

II.

Translate with notes where necessary :

Thucydides, (a) B. I, 77.

(b) B. IV, 98.

1. Give some account of the formation of the Confederacy of Delos.
2. Sketch the character of the Athenian people as represented by the Corinthian envoys at Sparta.
3. Give some account of Brasidas.



HONOURS.

Greek.

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*Examiner :* MR. MACNAUGHTON.

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1. Translate, with notes :

Prom. Vinct. 743-765.

Agam. 681-716.

Antig. 781-805.

Ajax 646-665.

or Oed. Rex 771-793.

2. Translate literally and explain constructions in the following passages :—

Prom. 200-203.

Agam. 381-384.

1025-1032.

Antig. 354-360, καὶ φθέγμα-μέλλον.

1006-1011, ἐκ θυμάτων-πιμελῆς.

Ajax. 723-732.

869.

or Oed. Rex 417-423.

742.

3. What purposes are served by the appearance of Io in the Prometheus?

4. Describe the character (a) of Klytaemnestra, (b) of Aegisthus.

5. What do you take to be the central idea of the Ajax? (or of the Oedipus Rex.)

6. Discuss the behaviour of Antigone to Ismene.





## Examination for Degree of Ph.D. in Classics.

### *Roman History.*

*Examiner :* MR. FERGUSON.

1. What were the effects of the Punic wars on the internal and foreign policy of Rome?

2. Explain the *Jus Sententiae dicendae*. What privileges did it convey?

3. What were the powers of the Tribunes? What was the local extent of their powers? What were their relations to the Consuls and also to the Dictator?

4. What was the normal number of the Senate? What was the number mentioned by Cicero? By whom were appointments to the Senate made? What changes were made by Sulla? Mention any further changes till the establishment of the Empire.

5. Distinguish under the earlier Empire between *aerarium* and *fiscus*. Also between *provinciae senatus* and *provinciae Caesaris*. State fully the distinction as to position, governors, &c.

6. Distinguish between the *Ager Romanus*, *Ager publicus*, and *Ager privatus*. Explain the agrarian laws of Tiberius Gracchus and of Julius Caesar. Who composed the Gracchan Triumvirate? Why were they not able to proceed with the confiscation and redistribution of the Land?

7. Describe the municipal system of Italy and the provinces (*a*) in the last century of the Republic, and (*b*) from the establishment of the Empire till the reign of Vespasian.

8. Classify the Roman towns according to the privileges granted them.

9. Was there any law or custom which secured regularity and permanency to the Empire? If not, in the case of a sudden vacancy how and by whom should the selection of a successor be made? Explain any irregularity after the extinction of the Julian family, especially in the succession of Vespasian.

## Examination for Degree of Ph.D. in Classics.

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### *Greek History.*

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*Examiner:* MR. FERGUSON.

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1. Greece was divided into a number of independent states. What circumstances tended to preserve its unity?

2. Classify the inhabitants of Greece and of the islands of the Aegean under the three main divisions of Ionians, Dorians, and Achaeans.

3. Define the state according to Aristotle. What did he hold to be the aim of the state?

4. Classify the citizens of the Spartan state.

5. What, in the Spartan state, were the powers and duties of the kings, of the Gerousia, of the public assemblies, and of the ephors respectively?

6. The population of Attica was very mixed. Mention its different elements. What was the apparent effect of this on the subsequent development of Athens?

7. What were the main features of Solon's constitution?

8. What was Solon's object in the institution of the Boule? Describe its character and formation under the earlier constitution and again after Aristides.

9. Describe the forms in which business was submitted to the public assemblies in regard (a) to legislation and (b) to judicial administration.

10. State the function of the Archons, of the Nomothetae and of the Thesmothetae.

11. What was the purpose of the Amphictyonic League? What was the cause of its failure?

12. Curtius says that the Peloponnesian War was at once a contest of principles and of races. Explain this.







Examination for Degree of Ph.D. in Classics.

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*Herodotus.*

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*Examiner :* MR. MACNAUGHTON.

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1. Translate with notes : Book II, 147.  
Book IV, 64.  
Book VII, 10.

2. What is Herodotus' conception of the moral government of the world ?

3. Exhibit the plan of his history as a whole, and vindicate its unity.

4. Write on the theme :—Herodotus in Egypt.
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*Thucydides.*

1. Translate with notes : Book V, chaps. 106–111.

(What is the significance of the above dialogue in the general plan of the work ?)

Book V, chap. 36.

2. Discuss the following subjects :

- (1) The speeches in Thucydides.

- (2) The Athenian Empire.

- (3) The contrast between the Athenian and the Spartan ideals.

**Examination for Degree of Ph.D. in Classics.**

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*Aristotle's Nicomachean Ethics.*

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*Examiner :* MR. MACNAUGHTON.

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1. Translate with notes : Book V, chap 10.  
Book VII, chap. 8.
  2. To what extent does Aristotle make virtue dependent on the possession of external goods?
  3. Show from Greek literature that the doctrine of the mean is a characteristic Greek conception.
  4. Illustrate from Greek literature and history his picture of the high-minded man.
  5. Where in Aristotle's list of virtues would you place humility? Give reasons.
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*Plato's Republic..*

1. Translate : Book V, chap. 22.  
Book VII, chaps. 1, 2.  
Book X, chap. 14, 616 B-617 B.
2. How far is the Platonic dialogue dramatic?
3. Discuss (1) Plato's use of the Myth.  
(2) His attitude to Art.



## Examination for Degree of Ph.D. in Classics.

*Examiner :* MR. WATSON.

### *Aristotle's Ethics.*

1. *Τέλειον δὴ τι φαίνεται καὶ αὐταρκες ἢ εὐδαιμονία.....*  
*Φαίνεται δ' ὁμῶς καὶ τῶν ἐκτὸς ἀγαθῶν προσδεομένη.*  
Does Aristotle reconcile these two views in regard to *εὐδαιμονία*? If so, how?

2. How does Aristotle seek to prove that his conception of good conduct is in harmony with the nature of man? Is his view satisfactory?

3. *Πλείων ἐναντιότης ἐστὶ τοῖς ἄκροις πρὸς ἄλληλα ἢ πρὸς τὸ μέσον.* Explain and estimate the value of this theory of virtue.

4. *Τῶν μὲν γὰρ πράξεων ἀπ' ἀρχῆς μέχρι τοῦ τέλους κύριοι ἐσμεν, εἰδότες τὰ καθ' ἕκαστα, τῶν ἑξῆων δὲ τῆς ἀρχῆς.* What is the value of the view that virtue is such a habit?

5. How does Aristotle's conception of the magnanimous man differ from the Christian ideal?

6. How does Aristotle treat the theme that justice is retaliation?

7. *Τὸ δὲ μέσον ἐστὶν ὡς ὁ λόγος ὁ ὀρθὸς λέγει.* How does Aristotle seek to make the conception of "right reason" definite?

8. *Σωκράτης μὲν ὁλῶς ἐμάχετο πρὸς τὸν λόγον ὡς οὐκ οὔσης ἀκρασίας· οὐθένα γὰρ ὑπολαμβάνοντα πράττειν παρὰ τὸ βέλτιστον, ἀλλὰ δι' ἄγνοιαν.* Explain the view of Socrates, and give Aristotle's criticism of it.



## Examination for Ph.D.

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*Examiner :* MR. DYDE.

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### *Plato's Republic.*

1. Examine the Sophistic conception of Justice.
2. Why does Plato call the first sketch of the ideal state "a community of swine" ?
3. What is Plato's view of the family ? In what sense can this view be described as an interpretation of Greek life ?
4. " Our object in the construction of our state is not to make any one class preeminently happy, but the whole state as happy as it can be made." Is the well-being of a community secured by the sacrifice of happiness on the part of all its members ? Explain.
5. Give and criticize Plato's conception of the soul.
6. " The brightest part of the real world is the form of the Good." How does Plato prove this ?
7. Is " goodness " as conceived by Plato an end to be pursued in action ? Give Aristotle's criticism.





**Examination for Degree of Ph.D. in Classics.**

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*Aristotle's Politics.*

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*Examiner :* MR. SHORTT.

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1. Translate : Bk. I, chap. 2, 9-13. What special features in his view of the state are here indicated ?

2. Translate : Bk. I, chap. 5, 1-4. Consider critically his treatment of slavery.

3. Bk. I, chap. 9, 14-17. What relation of economics to Political Science is here indicated ?

4. Bk. III, chap. 4, 1. How does he treat this question and what is his conclusion ?

5. Bk. III, chap. 15, 3-6. What is the outcome of the discussion of the points here raised ?

6. Translate : Bk. IV (VII), chap. 15, 7-10. Show how he develops from this ground his general theory of education.



## Examination for Degree of Ph.D. in Classics.

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*Cicero and Tacitus.*

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Examiner : MR. FLETCHER.

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### I.

1. Translate : *Ep. ad Att.*, II, 16, 1 and 2. Explain all historical allusions. Give some account of Roman Finance.

2. Translate and explain : *Ep. ad Att.*, V, 11, 1 and 2. What rights did the Roman *civitas* confer? What the *Jus Latii*? Trace the steps by which the allies obtained the *civitas*.

3. Translate and explain : *Ep. ad Att.*, XVI, 11, 1 and 2. Explain, and illustrate fully, Cicero's literary relation to Atticus.

4. What were the powers of the tribune of the plebs? Define the position of the tribunate in the last century of the Republic.

5. Sketch the effect of foreign conquest upon the internal condition of Rome and Italy.

6. Discuss the legal questions at issue between Caesar and the Senate at the out-break of the civil war.

### II.

1. Translate : Tac., *Annals*, B. I, ch. 81. Explain. How did these *comitia* differ from those held under the Republic?

2. Translate : *An.*, B. II, ch. 35. Explain and, in the light of the above passage, criticise Mommsen's statement that the Roman principate was a diarchy.

3. Translate : *An.*, B. VI, ch. 16 and 17. Write a clear account of the financial crisis referred to here.

4. Give some account of the sumptuary legislation of the reign of Tiberius. Discuss the utility of sumptuary laws.

5. What government expenses were met by the *fiscus*? What were its sources of revenue?



Examination for Degree of Ph.D. in Classics.

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*Sallust and Plutarch.*

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*Examiner :* MR. NICHOLSON.

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I.

Translate with notes where necessary :

Sallust (a) Jugurtha, ch. 113.  
(b) Catilina, ch. 49.

1. What changes were made in the constitution of the Republic by Marius and Sulla?
2. What circumstances in the condition of Italy were favorable to Catiline?
3. What was the attitude of Cæsar to the conspiracy?
4. Discuss the legality of the death of the Catilinarian conspirators.

II.

Translate with notes where necessary :

Plutarch (a) Tib. Gracchus, ch. 8 to ἐξέλασαντες.  
(b) Caius Gracchus, ch. 5.

1. Estimate the historical value of Plutarch's lives of the Gracchi.
2. What was the *ager publicus* and by what tenure might it be held?
3. Describe the provisions of the *Lex Agraria* of the Gracchi.
4. Sketch the growth of the *latifundia* and their effect on Italy.







# HONOURS.

## Higher Algebra. (I).

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1. (a) Find expressions for the sum of  $n$  terms of the series (i)  $1 + 2 + 3 + \dots n$ , (ii)  $1^2 + 2^2 + 3^2 + \dots n^2$ .

(b) Find an expression for the sum of  $n$  terms of the series  $1 + 2 + 5 + 9 + 14 + 20 + \dots$

2. (a) Obtain the condition that

$$ax^2 + by^2 + 2hxy + 2gx + 2fy + c$$

may be expressible as two factors rational in  $x$  and  $y$ .

(b) Find the value of  $\lambda$  that

$$x^2 + 8y^2 - 6xy + 4x - 8y + \lambda$$

may be factorable rationally in  $x$  and  $y$ , and thence find the factors.

3. (a) State the conditions under which the roots of the type quadratic in one variable will be

(i) real, (ii) equal, (iii) imaginary, (iv) equal in numerical value and opposite in sign.

(b) If  $x$  be real the expression  $\frac{(x+m)^2 - 4mn}{2(x-n)}$

does not admit of any value between  $2m$  and  $2n$ .

4. (a) Find the number of ways in which  $m + n + p$  things can be divided into three groups containing respectively  $m$ ,  $n$  and  $p$  things.

(b) If  ${}^nC_4 : {}^{n+2}C_4 = 14 : 3$ , what part of  ${}^{n+2}C_4$  is  ${}^{n+1}C_4$ ?

5. (a) Express the coefficient of  $x^r$  in the expansion of  $(1+x)^n$ .

(b) If the coefficient of (a) be denoted by  $c_r$ , show that

$$\frac{c_1}{c_0} + \frac{2c_2}{c_1} + \frac{3c_3}{c_2} + \dots + \frac{nc_n}{c_{n-1}} = \frac{1}{2} n(n+1).$$

6. (a) Expand  $a^x$  in ascending powers of  $x$ .

(b) What function of  $a$  is the coefficient of  $x$  in the foregoing expansion?

7. (a) Explain what is meant by the *modulus* of a system of logarithms, and develop an analytical expression for it.

(b) Show that

$$\log\left(x - \frac{1}{x}\right) = \left(x - \frac{1}{x}\right) - \frac{1}{2}\left(x^2 + \frac{1}{x^2}\right) + \frac{1}{3}\left(x^3 - \frac{1}{x^3}\right) - + \dots$$

8. (a) The series whose general term is  $u_n$  is convergent or divergent according as

$$lt. \left\{ n \left( \frac{u_n}{u_{n+1}} - 1 \right) \right\} \begin{matrix} > 1 \\ < 1 \end{matrix}.$$

(b) Show by the foregoing that

$$1 + a + \frac{a(a+1)}{2!} + \frac{a(a+1)(a+2)}{3!} + \dots$$

is convergent.

9. Find the Generating Function, and the  $n$ th term of the Recurring series

$$1 + 2x^2 - 2x^3 + 6x^4 - 10x^5 + 22x^6 - \dots$$

10. If  $\frac{p_n}{q_n}$  and  $\frac{p_{n-1}}{q_{n-1}}$  be two successive convergents to a fraction  $x$ , prove

(a) That  $\frac{p_n}{q_n}$  is a closer approximation to the value

of  $x$  than  $\frac{p_{n-1}}{q_{n-1}}$  is.

(b) That the fraction  $\frac{p_n q_{n-1} - q_n p_{n-1}}{q_n q_{n-1}}$  is in its

lowest terms.





## Differential and Integral Calculus. (II).

1. Classify the double points of a curve, and show how they are to be analytically distinguished.

Show that on the curve  $(ay - x^2)^2 = bx^3$  there is a cusp of the first species at the origin, and a point of inflexion at  $x = \frac{9}{64}b$ .

2. If  $y = f(x)$ , and  $y = \varphi(x)$  be two curves, deduce the analytic conditions that they may have contact of a given order.

Thence show that a line can have contact of the first order only; and that a circle can have contact of the second or third order, and distinguish the cases.

3. (a) The equation of the envelope to the curve  $f(x, y, a) = 0$  is found by eliminating  $a$  between the given equation and  $\frac{d}{da}(x, y, a) = 0$ . Explain why.

(b) Find the envelope of the line  $y = mx - 2am - am^3$ , where  $m$  is the variable parameter.

4. (a) State and prove the conditions for a maximum or minimum solution.

(b) The polar diameter of the earth is to the equatorial as 229 : 230. Show that the maximum "angle of the vertical" is at the true latitude  $\tan^{-1} \frac{230}{229}$ , and that the angle of the vertical is then  $\tan^{-1} \frac{(230)^2 - (229)^2}{2(230)(229)}$ .

5. By the Integration of  $\int \frac{dx}{\sqrt{1+x^2}}$  show that  $ei^\theta = \cos \theta + i \sin \theta$ .

6. Show that  $\int_0^{\infty} e^{-x} x^n dx = 1.2.3.....n$ ; and that

$$\int_0^1 x^m \left(\log \frac{1}{x}\right)^n dx = \frac{1.2.3.....n}{(m+1)^{n+1}}.$$

7. The area of a Roulette is twice that of the pedal of the generating curve with the tracing point taken as origin.

Show that the Roulette described by the focus of an ellipse in one revolution is twice that of the circle on the major axis as diameter.

8. Develop a formula for the volume of a solid by triple Integration; and apply your result to find the volume of the ungula of a cylinder.

9. Show that the area of a surface of revolution is

$$2\pi \int y \sqrt{1 + \left(\frac{dy}{dx}\right)^2} \text{ taken between proper limits.}$$

Thence find the surface of a paraboloid of revolution between the vertex and a plane through the focus perpendicular to the axis.







## Plane Trigonometry. (I).

1. (a) How is an angle supposed to be generated?  
 (b) As far as the final direction of the radius vector is concerned show that  $\theta$  is the same as  $2k\pi + \theta$ ; and that as far as the sine is concerned,  

$$\sin \theta = \sin \{k\pi + (-)^k \theta\}.$$
2. If  $\operatorname{cosec} \theta - \sin \theta = m$  and  $\sec \theta - \cos \theta = n$ , prove that  $(m^4 n^2)^{\frac{1}{3}} + (m^2 n^4)^{\frac{1}{3}} = 1$ .
3. (a) An angle may be divided into halves in two different ways, and into thirds in three different ways. Show this geometrically and analytically.  
 (b) What analogy is there between the division of an angle and the solution of an equation?
4. (a) Establish the relation  

$$\sin a + \sin b = 2 \sin \frac{1}{2}(a+b) \cos \frac{1}{2}(a-b)$$
 and the remaining three, assuming the addition theorem.  
 (b) Find all the values of  $\theta$  from the equation,  

$$\sin 7\theta - \sin \theta = \sin 3\theta.$$
5. (a) In any triangle  

$$a+b : a-b = \tan \frac{1}{2}(A+B) : \tan \frac{1}{2}(A-B).$$
 (b) Two sides of a triangle are 12 and 24 and the included angle is  $60^\circ$ . By employing (a) find all the other parts.
6. (a) Show that  

$$\sin^{-1} x + \sin^{-1} y = \sin^{-1} (x\sqrt{1-y^2} + y\sqrt{1-x^2}).$$
 (b) Prove Machin's formula,  

$$\frac{\pi}{4} = 4 \tan^{-1} \frac{1}{5} - \tan^{-1} \frac{1}{239}.$$

7. (a) Make the relation  $a^2 = b^2 + c^2 - 2bc \cos A$  logarithmic by using an auxiliary angle.

(b) Show from the relation of (a) that  $b$  has two values unless  $a > c$ ; and that  $c$  has two values unless  $a > b$ .

8. If  $R$  be the circumradius of a triangle prove

(a) that  $8R^2(1 + \cos A \cos B \cos C) = a^2 + b^2 + c^2$ .

(b) that  $2R = \sqrt{\left\{ \frac{a^2 + b^2 + c^2}{\sin^2 A + \sin^2 B + \sin^2 C} \right\}}$

9. A gable facing north has a vertical angle  $\gamma$ . Find the angle of the shadow when the sun is south and has an elevation  $\alpha$ .



HONOURS.

Plane Trigonometry. (II).

1. (a) If  $2 \cos \theta = x + \frac{1}{x}$  prove that  $2 \cos n\theta = x^n + \frac{1}{x^n}$ .  
 (b) Express  $\cos n\theta$  in terms of the powers of  $\cos \theta$ .
2. (a) Develop  $\sin \theta$  in powers of  $\theta$  as a sum series.  
 (b) Show that  $e^{i\theta} = \cos \theta + i \sin \theta$ .
3. (a) Develop  $\tan^{-1} x$  in ascending powers of  $x$ .  
 (b) Show how the foregoing can be employed to find the value of  $\pi$ .
4. (a) Put  $x^n - 1$ , with  $n$  even, into quadratic factors.  
 (b) Express all the values of  $(1 + i\sqrt{3})^{\frac{1}{5}}$  in terms of angular functions.
5. (a) Assuming the product series for  $\sin \theta$ , deduce that for  $\cos \theta$ .  
 (b) Show that  $\pi = \frac{2^2}{1.3} \cdot \frac{3^2}{1.5} \cdot \frac{4^2}{3.5} \cdot \frac{6^2}{5.7} \cdot \frac{8^2}{7.9} \cdot \frac{9^2}{7.11} \dots$
6. (a) If  $C + iS = \frac{Va(Vn\beta - 1)}{V\beta - 1}$ , find the finite values for  $C$  and  $S$ . ( $V\theta = \cos \theta + i \sin \theta$ ).  
 (b) Show that  $x \sin \theta - \frac{x^2}{2} \sin 2\theta + \frac{x^3}{3} \sin 3\theta - \dots = \tan^{-1} \frac{x \sin \theta}{1 + x \cos \theta}$
7. (a) Prove that  $\frac{1}{2} i\pi = \log i$ .  
 (b) Show that  $\tan^{-1} V\theta = \frac{\pi}{4} + \frac{1}{2i} \log \frac{\cos \theta}{1 - \sin \theta}$ .
8. (a) Develop  $\frac{1}{1 - 2x \cos \theta + x^2}$  in ascending powers of  $x$  and multiples of  $\theta$ .  
 (b) Thence show that  $\frac{1}{1 - 2x \sin \varphi + x^2} = \sec \varphi \{ \cos \varphi + x \sin 2\varphi - x^2 \cos 3\varphi - x^3 \sin 4\varphi + \dots \}$ .





# Quaternions.

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1. (a) If  $\alpha, \beta$  be different vectors and  $x\alpha + y\beta = m\alpha + n\beta$  then must  $x=m$  and  $y=n$ .

(b) The medians of a tetrahedron mutually divide each other into parts which are as 3 : 1.

2. (a) "A rectangular biradial can be represented by a vector." Explain, and show how the vector is situated and what is its tensor.

(b) Show that, in general,  $\alpha\beta$  is not the same as  $\beta\alpha$ , and state any exceptions.

3. (a) "A quaternion can be represented as the power of a vector." Explain.

(b) The centroids, of the three equilateral triangles described upon the sides of any triangle, form the vertices of an equilateral triangle.

4. (a) Interpret  $S\alpha\beta\gamma$ , and show that when  $S\alpha\beta\gamma=0$  the three vectors are complanar.

(b) Find the condition that two perpendiculars of a tetrahedron may be complanar.

5. (a) Obtain the equation to a sphere with origin on the surface.

(b) Show that the inverse of a sphere with respect to a point on the surface is a plane.

6. (a) Assuming the equation of the ellipse,  $S\rho\varphi\rho=1$ , show that the polar of any point is parallel to the tangent at the extremity of the diameter through the point.

(b) If  $\varphi\rho=\phi\psi\rho$ , and  $\alpha, \beta$  be vectors along conjugate diameters,  $\phi\alpha$  and  $\phi\beta$  are perpendicular to one another.

7. (a) If a system of chords parallel to  $\beta$  be drawn in an ellipsoid, their middle points lie in the plane  $S\rho\phi\beta=0$ .

(b) If  $\alpha, \beta, \gamma$  be parallel to conjugate axes,

$$Sa\phi\beta=S\beta\phi\alpha=Sa\phi\gamma=S\beta\phi\gamma=\&c.=0$$

and  $\phi^{-1}Va\beta=pV\phi\alpha\phi\beta$ ; where  $p$  is an undetermined scalar.

8. (a) Two non-complanar lines,  $\alpha, \beta$ , and a point  $S$  are given, to find the locus of a point  $P$  such that a perpendicular from it to one of the lines intersects the other line, and the part of this perpendicular between the point of section and  $P$  is in a constant ratio to  $SP$ .

(b) Show that planes normal to  $\alpha$  or  $\beta$  give circular sections of the locus.







### Higher Synthetic Geometry.

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1. (a) the rectangle on two sides of a triangle is equal to that on twice the circumradius and the perpendicular to the third side.

(b)  $OABCD$  are concyclic points. Prove that the rectangle on the perpendiculars from  $O$  to  $AC$  and  $BD$  is equal to that on the perpendiculars from  $O$  to  $AB$  and  $CD$ .

2. (a) If  $A, B, C$  be a range of three points and  $P$  be any other point, prove that

$$AB.CP^2 + BC.AP^2 + CA.BP^2 = -AB.BC.CA.$$

(b) If  $BD$  be the bisector of the angle  $B$ , in the triangle  $ABC$ ,

$$BD = ac \left\{ 1 - \left( \frac{b}{a+c} \right)^2 \right\}$$

3. (a) If  $O$  be the mean centre of a system of points for a given system of multiples, and  $P$  be an independent point  $\Sigma(a.AP^2) = \Sigma(a.AO^2) + \Sigma(a.OP^2)$ .

(b) If  $O$  be the incentre of a triangle,  $ABC$ ,  $O$  is the mean centre of the vertices with opposite sides as multiples.

4. (a) A circle, which passes through a pair of inverse points with respect to another circle, cuts the other orthogonally.

(b) Draw a circle to pass through a given point, and to cut two given circles orthogonally.

5. (a) Show that the centre for which a triangle is self-conjugate is its orthocentre.

(b) If two triangles be polar reciprocals the inverse of a side of the one passes through a vertex of the other.

6. (a) The difference of the squares on the tangents from a point to two fixed circles is equal to twice the rectangle on the join of the centres and the distance of the point from the radical axis.

(b) The locus of a point from which tangents to two fixed circles are in a constant ratio is a circle coaxal with the two.

7. (a) When two circles are inverted with respect to their circle of antisimilitude, what becomes of (1) the circles, (2) their radical axis, (3) their circle of similitude?

(b) Show that any line through a centre of antisimilitude cuts the radical axis and the circle of similitude, of the two circles, at the same angle.

8. (a) Four points on a circle subtend equianharmonic pencils at every fifth point on the circle.

(b) Four points form a harmonic system on a circle. Then the tangents at one pair of conjugates meet upon the join of the other pair.

9. (a) When are two systems of points said to be homographic?

(b) Show how to find the centres of a doubly homographic system by means of the pascal line.





## Spherical Trigonometry.

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1. "Spherical Trigonometry has no necessary relation to a sphere." Explain this statement, and give a definition of the subject consistent therewith.

Also, explain what is meant by the *side* and the *angle* of a *spherical triangle*, without reference to the sphere.

2. (a) Establish the relation

$$\cot a \sin b = \cos b \cos C + \sin C \cot A,$$

and (b), adapt it to logarithmic computation for finding  $a$  by means of an auxiliary angle.

3. (a) Assuming the standard formula, show how to solve a spherical triangle when the three sides are given.

(b) The observed altitude of a star East of the meridian, is  $16^{\circ} 10'$ , and its declination is  $12^{\circ} 22' \text{ S.}$  The latitude of the place is  $44^{\circ} 14' \text{ N.}$  If the sidereal clock shows 18h. 10m. 25s., and the star's R. A. is  $14^{\circ} 41' 7\text{s.}$ , find the error of the clock.

$$\text{l. sin } 69^{\circ} 1' + 9.97020; \quad \text{l. sin } 73^{\circ} 50' = 9.98248$$

$$\text{l. sin } 8^{\circ} 37' = 9.17558 \quad \text{l. cos } 63^{\circ} 12' = 9.65406$$

$$\text{l. sin } 45^{\circ} 46' = 9.85522 \quad \text{l. cos } 63^{\circ} 11' = 9.65431$$

4. (a) Given the latitudes of two places on the earth, show how to find the direction (along a great circle) from one place to the other.

(b) Show that, in segments, if the direction from A to B is  $\text{W. } a^{\circ} \text{ N.}$ , that from B to A is not  $\text{E. } a^{\circ} \text{ S.}$ ; and give the exceptional cases.

5. Explain Mercator's Projection and its purpose.

6. Show how to find the meridian by observing the azimuth of two circumpolar stars when on the same vertical circle.

7. The sun's semidiameter being  $16' 30''$  and the moon's  $16'$ , find the moment of contact from the following data :—

At 3h. 10m. the distance between centres= $48'$ .

|   |   |    |   |   |   |   |                |
|---|---|----|---|---|---|---|----------------|
| " | 3 | 20 | " | " | " | " | = $36' 24''$ . |
|---|---|----|---|---|---|---|----------------|

|   |   |    |   |   |   |   |                |
|---|---|----|---|---|---|---|----------------|
| " | 3 | 30 | " | " | " | " | = $24' 30''$ . |
|---|---|----|---|---|---|---|----------------|







**Higher Conics—(Salmon).**

1. If ( $\alpha$ )  $ABC$  is a triangle of reference and  $\alpha, \beta, \gamma$  are perpendiculars from a point to the sides  $a, b, c$ .

Show that any line can be expressed by the equation  $l\alpha + m\beta + n\gamma = 0$ .

( $b$ ) The lines

$$\beta, l\alpha - 2m\beta + n\gamma, l\alpha - m\beta + n\gamma, \text{ and } l\alpha + n\gamma = 0,$$

form a harmonic pencil. Prove this, and show by a diagram how these lines are situated with respect to the triangle of reference.

2. ( $\alpha$ ) The lines  $l\alpha + m\beta + n\gamma = l'\alpha + m'\beta + n'\gamma = 0$  are perpendicular if  $\{ll', mm', nn'\} = 0$ .

Develope the expression for which the bracket form is a contraction.

( $b$ ) Find the trilinear equation to a line through  $\alpha', \beta', \gamma'$  and perpendicular to  $\alpha = 0$ ; and thence show that the perpendicular to  $\alpha$ , through  $C$ , is  $\beta + \alpha \cos C = 0$ .

Also find the perpendicular to  $\alpha$  through its middle point.

3. ( $\alpha$ ) By what transformation of the general equation do we free it from (1) linear terms, (2) from the rectangular term?

( $b$ ) Explain the geometrical meaning of each of the transformations of ( $\alpha$ ), and also show that in ( $b$ ) the new

constant is  $\frac{\Delta}{a-h^2}$ .

( $c$ ) Transform (1)  $3x^2 + 2y^2 - 3x + 4y - 6$  to the centre; and (2)  $11x^2 + 84xy - 24y^2$  to the axes.

4. ( $\alpha$ ) If  $\varphi$  be the angle between a focal line to any point and the normal to the same point, show that the radius of curvature at the point is  $N \sec^2 \varphi$ .

(b) Thence show that the radius of curvature is equal to the cube of the normal divided by the square of the semi-latus-rectum.

5. Discuss the equation  $l\beta\gamma + m\gamma a + n\alpha\beta = 0$ , and from it prove that if a conic circumscribe a triangle, (1) the tangents at the vertices meet the opposite sides in three collinear points, and (2) the joins of the point of intersection of two tangents with the point of contact of the third tangent, are concurrent.

6. (a) Any four points on a conic form a harmonic pencil with any fifth point on the conic as vertex.

(b) Any two conics have a common self-conjugate triangle.

7. (a) Prove that the polar reciprocal of any conic with respect to a conic is a conic.

(b) If a circle be reciprocated with respect to a circle, investigate the conditions under which the result will be a hyperbola, parabola, ellipse, or circle.

8. The ellipse  $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$  and the parabola  $y^2 = 2bx$  have a common  $x$  axis; then the envelope of the chord of contact in the parabola, for a point on the ellipse is a rectangular hyperbola.





**Differential and Integral Calculus. (I).**

1. (a) By fundamental principles find the differentials of

$$(1) pqr, (2) \frac{p}{q}, (3) \sin p, (4) \cosh p$$

where  $p, q, r$  are functions of  $x$ .

- (b) From (1) of (a) deduce the Binomial theorem ;  
and from (3) deduce the *sine* series.

2. If  $D^r$  denotes  $\frac{d^r y}{dx^r}$ , show that the operator  $D$  obeys

the Distributive and Index laws, and the commutative law with respect to constants.

3. Prove the theorem

$$D^n(uv) = vD_1^n u + {}^nC_1 D_2 v D_1^{n-1} u + {}^nC_2 D_2^2 v D_1^{n-2} u + \dots$$

when  $D_1$  applies to  $u$  alone and  $D_2$  to  $v$  alone.

4. If  $u = e^{\tan^{-1} x} = a_0 + a_1 x + a_2 x^2 + \dots$

$$\text{Then } (1+x^2)D^{n+2} + \{2(n+1)x-1\}D^{n+1} + n(n-1)D^n = 0$$

$$\text{and } a_{n+2} = \frac{a_{n+1} - na_n}{n+2}.$$

Prove these and thence write out the first four terms of the expansion of  $u$ .

5. Prove that

$$\tan^{-1} \frac{2x}{1-x^2} + \tan^{-1} \frac{2x}{1+x^2} = 4\left(x + \frac{1}{5}x^5 + \frac{1}{9}x^9 + \dots\right).$$

6. (a) Deduce the equation for a tangent to the curve  
 $f(xy) = 0$ ,

$$X \frac{\partial f}{\partial x} + Y \frac{\partial f}{\partial y} + Z \frac{\partial f}{\partial z} = 1.$$

(b) Prove that  $\frac{x}{a} + \frac{y}{b} = 1$  touches the curve  $y = be^{-\frac{x}{a}}$  at the point where the curve cuts the axis of  $y$ .

7. Investigate any method of finding asymptotes, and apply it to find those of the curve

$$x^3 + x^2(2y-1) + x(y^2-y) + 2 = 0.$$

8. Show in any way how Integration is a summatory process; and thence explain the symbols:—  $\int_a^b (fx) dx$ ,

$$\text{and } \int_a^c (fx) dx = \int_a^b (fx) dx + \int_b^c (fx) dx = - \int_c^a (fx) dx \\ = F(c) - F(a).$$

9. (a) Find the values of

$$\int \frac{d\theta}{\cos \theta}, \quad \int_0^{-3} \frac{2-x}{2(1-x)^{\frac{3}{2}}} dx, \quad \int \frac{2}{1-x^4} dx.$$

(b) Find a Reduction formula for  $\int \tan^n \theta d\theta$ ; and thence deduce the integral of  $\tan^5 \theta d\theta$ .

10. Find (1) the area of a cycloid.

(2) the volume of the figure described by its revolution about the  $x$ -axis.







# Determinants, &c.

1. (a) Prove that  $\Sigma \pm a, \beta, \gamma \dots = \Sigma \pm a, a + \beta, a + \gamma \dots$

(b) If  $fx = (x - a)(x - \beta)(x - \gamma) \dots$  prove that

$$fx - xf'x = \begin{vmatrix} a & x & x & x & \dots \\ x & \beta & x & x & \dots \\ x & x & \gamma & x & \dots \\ x & x & x & \delta & \dots \\ \vdots & \vdots & \vdots & \vdots & \vdots \end{vmatrix}$$

2. (a) Obtain the determinant solution of a set of  $n$  linear equations in  $n$  variables.

(b) If  $A_n = a^n + {}^nC_1 A_{n-1} + {}^nC_2 A_{n-2} + \dots$

$$A_{n-1} = a^{n-1} + {}^{n-1}C_1 A_{n-2} + {}^{n-1}C_2 A_{n-3} + \dots$$

$$A_{n-2} = a^{n-2} + {}^{n-2}C_1 A_{n-3} + {}^{n-2}C_2 A_{n-4} + \dots$$

&c.

&c.

Find  $A_n$  in terms of  $a$  and combinational symbols.

3. If  $D = \begin{vmatrix} a + ib & c + id \\ -c + id & a - ib \end{vmatrix}$ , and  $D_1 = \begin{vmatrix} a - i\beta & \gamma - i\delta \\ -\gamma - i\delta & a + i\beta \end{vmatrix}$

Show that  $DD_1$  can be put under the form  $A^2 + B^2 + C^2 + D^2$ ; and interpret the result as a theorem in numbers.

4. Develope Cauchy's formula,

$$a_{rs}A_{rs} - \Sigma a_{ik}a_{kj}A_{ij},$$

for the expansion of any determinant.

5. If a Determinant vanishes, all the minors of its Reciprocal, except the first, vanishes.

6. Give an example of the special Determinant called a *continuant*.

If  $K_n^m$  denotes the continuant whose principal diagonal extends from  $a_m$  to  $a_n$  show that

$$(1) \quad K_n^1 = K_1^n.$$

$$(2) \quad \frac{K_n^2}{K_n^1} = \frac{1}{a_1 +} \frac{b_1}{a_2 +} \frac{b_2}{a_3 +} \dots \frac{b_{n-1}}{a_n}.$$

$$(3) \quad \frac{K_1^{n-1}}{K_1^n} = \frac{1}{a_n +} \frac{b_{n-1}}{a_{n-1} +} \frac{b_{n-2}}{a_{n-2} +} \dots \frac{b_1}{a_1}$$

7. Find the  $n$ th convergent to the periodic continued fraction

$$\frac{3}{1+} \frac{4}{1+} \frac{3}{1+} \dots ;$$

and deduce its limiting value when  $n$  approaches  $\infty$ .

8. If  $s_r$  denotes the sum of the  $r$ th powers of the roots of  $x^n - p_1 x^{n-1} + p_2 x^{n-2} - \dots + p_n = 0$  we have generally,  $s_n - p_1 s_{n-1} + p_2 s_{n-2} \dots (-)^n n p_n = 0$ .

From this show that

$$(1) \quad s_4 = \begin{vmatrix} p_1 & 1 & 0 & 0 \\ 2p_2 & p_1 & 1 & 0 \\ 3p_3 & p_2 & p_1 & 1 \\ 4p_4 & p_3 & p_2 & p_1 \end{vmatrix}, \text{ and } (2), p_4(4) = \begin{vmatrix} s_1 & 1 & 0 & 0 \\ s_2 & s_1 & 1 & 0 \\ s_3 & s_2 & s_1 & 1 \\ s_4 & s_3 & s_2 & s_1 \end{vmatrix}$$





**Higher Algebra. (II).**

1. (a) Every periodic continued fraction expresses a rational root of a quadratic equation.

(b) Express each root of  $x^2 - 5x + 3 = 0$  as a continued fraction.

2. (a) Show that the continued fraction

$$\frac{b_1}{a_1 +} \frac{b_2}{a_2 +} \frac{b_3}{a_3 +} \dots$$

can be transformed to one having all unit numerators.

(b) Prove that

$$\frac{1}{1+} \frac{2}{2+} \frac{3}{3+} \frac{4}{4+} \dots = \frac{1}{1+} \frac{1}{1+} \frac{1}{2+} \frac{1}{\frac{3}{2}+} \frac{1}{\frac{5}{3}+} \dots$$

3. (a) Show how to express a series as a continued fraction.

(b) Prove that

$$l(1+x) = \frac{x}{1+} \frac{x}{2-x+} \frac{2^2x}{3-2x+} \frac{3^2x}{4-3x+} \dots$$

4. (a) If  $p$  is prime, prove that  $(\Sigma a)^p - \Sigma a^p$  is a multiple of  $p$ .

(b) If  $n$  is prime to  $p$ , then  $n^{p-1} - 1$  is a multiple of  $p$ .

5. Sum the series

(a)  $(a^2 - 1) + 2(a^2 - 4) + 3(a^2 - 9) + 4(a^2 - 16) + \dots$  to  $n$  terms; and (b) the series whose  $n$ th term is  $n(n+1)^{-1}(n+2)^{-1}(n+3)^{-1}$  to  $n$  terms and to  $\infty$ .

6. (a) What is mathematical probability, or chance, and what is its unit?

(b) What is the chance of drawing 3 black balls, in one draw of 3 balls, from a bag containing 6 black balls and 4 white ones?

7. (a) When may the probability of an event be considered as the sum of the probabilities of two or more events; and when as their product?

(b) If the odds are as 3 to 2 that  $A$  will live 20 years, and the odds are as 5 to 3 that  $B$  will live 20 years, what is the chance that either  $A$  or  $B$  will be alive at the end of 20 years,

8. Two fixed points on a circle subtend an angle  $\theta$  at the centre. If a third point is taken at random upon the circle what is the probability that the determined triangle will be obtuse-angled?







## Synthetic Solid Geometry.

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1. (a) Distinguish between equal and symmetrical three-faced corners, and show how to construct a corner symmetrical to a given three-faced corner.

(b) Given the face angles of a three-faced corner, give a construction to find a dihedral angle.

2. (a) Prove that the sum of the face angles of any corner lies between zero and a circumangle.

(b) The sum of the dihedral angles of any corner lies between 2 right angles and  $(2n-4)$  right angles.

3. (a) The medians of a tetrahedron mutually divide each other into parts which are to one another as 3 : 1.

(b) If  $m$  denotes a median, in general, and  $e$  denotes an edge, of a tetrahedron, show that  $9\Sigma m^2 = 4\Sigma e^2$ .

4. If  $a, b, c$ , be the direction edges of a parallelepiped, and  $\lambda, \mu, \nu$  be the angles between them, then  
 (Diagonal)<sup>2</sup>  $= a^2 + b^2 + c^2 \pm 2bccos\lambda \pm 2ca cos\mu \pm 2abc cos\nu$ .

5. (a) One sphere may be made to pass through any four non-complanar points, no three of which are in line.

(b) Four spheres have 6 radical planes, four radical lines, and one radical centre. Show this.

6. Two cuboids have their volumes proportional to the continued products of their direction edges.

7. Prove, in any way, that the volume of a pyramid is one-third that of the prism with the same base and altitude.

8. (a) Establish the prismoidal formula.

(b) Thence show by comparison of corresponding laminae that the volume of the sphere is measured by the prismoidal formula.

9. State Guldin's theorems and apply them to find the mean centre of the area, and the mean centre of the perimeter of a semicircle.

10. Show that anharmonic properties are projective.

11. (a) Given a plane and a circle not parallel with the plane, find centres from which the circle may be projected upon the plane into (i) an ellipse, (ii) a parabola, (iii) a hyperbola.

(b) Explain the *focus*, *directrix*, and *eccentricity* of a conic as a projected figure.



## Differential Equations.

1. (a) In  $Mdx + Ndy = 0$ , prove that the variables can be separated whenever the equation is homogenous in the variables.

(b) Solve  $a(x \frac{dy}{dx} + 2y) = xy \cdot \frac{dy}{dx}$ .

2. (a) Establish the test that  $Mdx + Ndy$  may be an exact differential.

(b) Given that  $Mdx + Ndy$  is an exact differential, show how to solve it.

3. (a) Show how to solve the equation  $x = yfp + \varphi p$ , where  $f$  and  $\varphi$  denote any rational functions.

(b) Solve  $x + yp = ap^2$ .

4. (a) In the singular solution what loci are denoted by putting (i) the  $F$ -discriminant  $= 0$ , and (ii) the  $p$ -discriminant  $= 0$ ? Which of these forms the singular solution?

(b) Find the singular solution of  $y = (x-1)p - p^2$ .

5. (a) Show that if  $X$  denotes any rational function of  $X$ ,  $f(D)e^{ax}X = e^{ax}f(D+a)X$ .

(b) Obtain a solution of  $\frac{d^2y}{dx^2} + 3\frac{dy}{dx} + 2y = 3x$ .

6. (a) Investigate a method of solving the linear equation with coefficient which are functions of  $x$ .

(b) Solve  $x^2 \frac{d^2y}{dx^2} - x \frac{dy}{dx} + 2y = x \log x$ .

7. Find the family of curves whose subnormal at any point is equal to the distance of that point from the origin.

8. If  $a^2 D^2 = 2x \left\{ 1 + (D)^2 \right\}^{\frac{3}{2}}$  interpret the differential equations, and show that  $y = \int \frac{x^2 + A}{1 + a^4 - (x^2 + A)^2} + C$ .



## Problems. (I).

1.  $AC$  is a chord of a circle making an angle  $\theta$  with the diameter  $AB$ . Show that the volume generated by the revolution of  $ACB$  about  $AB$  as an axis is

$$\frac{4}{3}\pi r^3(1 - \cos^4 \theta)$$

and the surface is  $4\pi r^2(\sin \theta + \sin^2 \theta - \sin^3 \theta)$ .

2.  $D, E, F$  are middle points of the sides of the triangle  $ABC$ , and  $O$  is the incentre of the triangle  $DEF$ . Prove that  $O$  is the mean centre of the perimeter of  $ABC$ .

3. If the sum of the squares upon two opposite sides of a skew quadrilateral be equal to the sum of the squares on the remaining two, the diagonals are perpendicular to one another.

4. A parabola and an ellipse have the same  $x$ -axis, the same vertex and the same focus.

Show that the minor axis of the ellipse is to the corresponding ordinate of the parabola as  $\sqrt{1+e} : 2$ .

5. If  $(1+m)\tan\varphi = (1-m)\tan\theta$ , then  $2\varphi =$

$$\frac{1-m^2}{m}\sin 2\theta - \frac{1}{2} \cdot \frac{1-m^4}{m^2}\sin 4\theta + \frac{1}{3} \cdot \frac{1-m^6}{m^3}\sin 6\theta - + \dots$$

and  $\log m =$

$$\frac{m^2-1}{m}\cos 2\theta - \frac{1}{2} \cdot \frac{m^4-1}{m^2}\cos 4\theta + \frac{1}{3} \cdot \frac{m^6-1}{m^3}\cos 6\theta - + \dots$$





# HONOURS.

## Problems (II).

$$1. \text{ If } xy=1, \text{ then } x^n+y^n=\begin{vmatrix} (x+y)^n & {}^nC_1 & {}^nC_2 \dots \\ (x+y)^{n-2} & 1 & {}^{n-2}C_1 \dots \\ (x+y)^{n-4} & 0 & 1 \dots \\ \vdots & \vdots & \vdots \end{vmatrix}$$

2. If  $p$  is prime,

$(p-1)!+1!(p-2)!+2!(p-3)!+\dots n!(p-n-1)!+\frac{1}{2}\{1+(-1)^n\}$  is a multiple of  $p$ .

3. A ship starts from a place at the equator and sails along a rhumb line until it returns to the meridian from which it started. If it is then in lat.  $45^\circ$ , at what angle did its course cut the meridians?

4. Show that the curve  $x^2y=x^3+x^2+x+1$  has a hyperbolic asymptote whose excentricity is  $\sqrt{4-2\sqrt{2}}$ .

5. The plane which makes a circular section of the ellipsoid  $\frac{x^2}{a^2}+\frac{y^2}{b^2}+\frac{z^2}{c^2}=1$  cuts the surface

$(x^2+y^2+z^2)^2=ax^2+by^2+cz^2$ . Show that the sum of the squares of perpendicular radii vectors of the section is constant.

6. Show that  $V.Va\beta V\beta\gamma=-\beta Sa\beta\gamma$ ; and interpret the relation geometrically when  $a, \beta, \gamma$  denote three conterminous edges of a tetrahedron.



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## Coordinate Geometry.

1. (a) Develop the relations by which we pass from Rectangular to Polar, and from Polar to Rectangular coordinates.

(b) Change  $y^2(2a-x)=x^3$  into a Polar equation, and  $r=a(1+\cos\theta)$  into a Rectangular equation.

2. (a). Obtain the equation to a line through two given points.

(b) Find the line which passes through two coincident points on an ellipse, (the tangent).

3. (a) How do we find the points of intersection of two loci?

(b) Tangents touch the parabola  $y^2=4ax$  at  $x_1y_1$  and  $x_2y_2$ . Find the coordinates of their point of intersection.

4. (a) Investigate a formula for finding the length of the perpendicular from a point upon a line.

(b) Show that the perpendicular from the centre of an ellipse to a tangent is  $\frac{ab}{b'}$ , where  $b$  is the semidiameter conjugate to the one to the point of contact.

5. (a) Find the condition under which one line is perpendicular to another.

(b) From a point  $\alpha, \beta$ , not on an ellipse, normals are drawn to the ellipse. Find the curve, other than the ellipse, upon which the feet of the normals lie, and show that two normals, at least, must be real.

6. (a) Find the angle at which the lines  $lx+my=1$  and  $l'x+m'y=1$  intersect.

(b) Two tangents to a parabola intersect at a fixed angle  $\theta$ ; show that the point of intersection lies on a conic, and give the case in which the conic degrades to a line.

7. (a) Deduce the equation of a line in the form

$$\frac{x-x'}{c} = \frac{y-y'}{s} = r,$$

and explain the meaning of the constants.

(b) A line through the point  $P$  cuts the parabola  $y^2=4ax$  in  $Q$  and  $R$ , and  $V$  is taken on  $PQ$  so that  $PV$  is a harmonic mean between  $PQ$  and  $PR$ ; show that the locus of  $V$  is a line.

8. (a) The hyperbola is the only conic having real asymptotes.

(b) If parallel tangents be drawn to a hyperbola, and the points where they intersect the asymptotes be connected directly, the parallelogram formed is constant in area.



## Analytic Solid Geometry.

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1. Given two directions referred to Rectangular Co-ordinates, to find a direction perpendicular to both.
2. One edge of a regular Tetrahedron lies along the  $x$ -axis, and a second edge makes equal angles with the  $y$ -axis and  $z$ -axis. Find the direction of a normal to any of the faces.
3. Given a generator line and a director line, find the equation to the generated plane.
4. Find the analytic condition that a plane may pass through two given points and be normal to a given line.
5. Develop the equation to the Hyperboloid of one sheet, and show that it has two systems of generating lines.
6. Explain what is meant by the *Discriminating Cubic*, and show that the coefficients are invariants.
7. Find the area of the section made by the plane  $lx + my + nz = 0$  with the ellipsoid  $Ax + By + Cz = 1$ .
8. Find the tangent plane to the general quadric surface.
9. Determine the conditions that the plane
 
$$lx + my + nz = 0,$$
 may touch the cone
 
$$ax^2 + by^2 + cz^2 + 2fyz + 2gzx + 2hxy = 0.$$
10. Show that the locus of the pole of a given plane, with respect to a system of confocal conicoids, is a line.
11. Find the equation to the common circular conoid.





## Theory of Equations.

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1. Draw the graph of  $x^4 - x^3 - 4x^2 + x + 2$ , and thence approximate, to three decimals, to any one of the roots.

What quantity added to the constant term would make the roots (1) two imaginary, (2) all imaginary?

2. Express all the roots of  $x^n = a$  where  $a$  is (1) positive and real, (2) negative and imaginary.

3. Show how to transform the equation

$$x^n + p_1 x^{n-1} + p_2 x^{n-2} + \dots + p_{n-1} x + p_n = 0$$

into an equation whose roots shall be the cubes of the roots of the given equation.

4. State and prove Descartes' rule of signs.

Prove that the equation

$$\begin{vmatrix} a-x & c & b \\ c & b-x & a \\ b & a & c-x \end{vmatrix} = 0$$

has all its roots real.

5. Illustrate the solution of the cubic by symmetric functions.

The Algebraic and Trigonometric solutions of the cubic are supplementary to one another. Explain how.

6. For the quartic equation

$$x^4 + 4bx^3 + 6cx^2 + 4dx + e = 0$$

the reducing cubic is  $4\varphi^3 - I\varphi + J = 0$

Find the values of  $I$  and  $J$  in terms of the coefficients of the quartic.

7. If  $fx = 0$  be an equation in  $x$ , and  $fx$  and  $\frac{dfx}{dx}$  are satisfied for the same values of  $x$  the equation has equal roots. Prove.

8. By any method find the Discriminant of

$$ax^3 + 3bx^2 + 3cx + d = 0.$$





## Honours in Philosophy.

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### FIRST PAPER.

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1. Is Plato prejudiced against Greek democracy ?
2. How does Plato conceive of the relation of poetry to philosophy ? Give your own view.
3. What is the function of a special sense in Aristotle ?
4. What connection does Aristotle conceive of as existing between reason, both passive and creative, and the mind of the individual thinker ? Examine his doctrine.
5. How is the Metaphysic of Aristotle related to his Ethics ?
6. Explain and examine Aristotle's view of the "golden mean."
7. Criticise Aristotle's list of virtues from the point of Christian ethics.

## Honours in Philosophy.

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### SECOND PAPER.

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1. How far does the philosophy of Descartes contain elements which point to a more adequate system?

2. "By *Substance* Spinoza means either something underlying its attributes, or the sum of the attributes." Does either view express the doctrine of Spinoza?

3. "The conception of *causa sui* is self-contradictory, for a thing can no more be its own cause than it can be its own neighbour". Estimate the value of this criticism.

4. What does Spinoza mean by *intellectus absolute infinitus*? Explain and examine his doctrine of "infinite modes."

5. What reasons does Spinoza give for the denial of final causes? What is the value of that denial?

6. State and criticise the main points in the psychology of Spinoza.

7. Does Spinoza maintain, or deny, personal immortality? Give reasons for the view you take.







## Honours in Philosophy.

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### THIRD PAPER.

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1. "The philosophy of Descartes leads to atheism." What evidence does Leibnitz adduce in support of this charge? How far is it true?

2. "Even of the things we know distinctly, we only conceive the ideas in so far as they form the object of intuitive thought." Explain and examine this saying of Leibnitz.

3. "Corporeal substances, no less than spiritual, never cease to act." How was Leibnitz led to this conclusion? Criticise his doctrine.

4. "Each substance represents exactly the entire universe." Explain and examine.

5. "Locke recognizes the reality of mind as something which is not the product of experience; hence Hume's reduction of mind to a series of fleeting states is no legitimate outcome of Locke's empiricism." Examine this.

6. "Locke teaches that the existence of an external world is inseparable from the ideas we have of it, and therein he is true to a fundamental deliverance of consciousness." Is this a valid defence of Locke's theory of Knowledge?

7. Examine the view of Mill that the principle of the uniformity of nature is "itself an instance of induction."

## Honours in Philosophy.

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### FOURTH PAPER.

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1. What influence had Leibnitz and Hume respectively on the development of Kant?
2. Examine into the validity of the distinction between analytic and synthetic judgments.
3. Trace the steps by which Kant reaches the conclusion that even images of sense imply a synthesis of the understanding.
4. What function does Imagination play in the critical philosophy? How far can Kant's view be accepted?
5. "In phenomena the real has intensive quantity." State Kant's "proof" of this proposition, and consider its bearing upon the problem of non-phenomenal reality.
6. "Kant dealt with the problem of Hume in a generalized form." Explain. Estimate the ultimate value of Kant's solution.
7. Explain and examine Kant's view of the relation of inner and outer sense.





## Honours in Philosophy.

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### FIFTH PAPER.

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1. "There is a soul, Kant thinks, but the mere ego-form of our consciousness tells us nothing about it." Is this an accurate statement of Kant's doctrine?

2. "The First Antinomy indicates Kant's real ground for maintaining that space and time are forms of perception." How far is this true?

3. Estimate the value of Kant's criticism of the "physico-theological" argument.

4. State and examine Kant's view of the relations of theoretical and practical reason.

5. "Kant denies that moral good can be known as objective good, though we are obliged to typify it as such." What is the source of that denial? Can it be avoided?

6. State the main difficulties in Kant's view of freedom. How would you solve them?

7. Estimate the value of Kant's moral proof of the being of God.

## Honours in Philosophy.

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### SIXTH PAPER.

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1. Discuss the view that Psychology is a natural science.
2. "The infant encounters an object in which all the 'categories of the understanding' are contained." Examine this.
3. State and criticise James' explanation of Habit.
4. "When Green says that 'no feeling, as such or as felt, is a relation,' he denies that we cognize relations through feeling." Does this criticism do justice to Green's thought? Examine James' own view that the 'stream of consciousness' consists of 'substantive' and 'transitive' states.
5. How would you distinguish between Faith and Reason? Criticize the doctrine of Hamilton and Mansel.
6. What is the relation of the three arguments for the being of God to the historical evolution of religion?
7. Compare the Pauline doctrine of the origin of evil with that of Kant. Add remarks.







HONOURS.

Political Science.

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FIRST PAPER.

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1. What are the characteristics of nationality as a foundation for states?
2. What element of truth is there in the theory of social contract as presented by Hobbes and Locke? How does Burke treat the theory?
3. Contrast *direct* and *representative* democracies. What is the nature of the sovereignty belonging to the people of the United States?
4. Consider whether the state can be characterized as either a means or an end.
5. Outline Aristotle's scheme of education and show its relation to his conception of the end of the state.
6. What is the general tendency of Plato's political teaching?

HONOURS.

Political Science.

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SECOND PAPER.

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1. Trace the growth of ancient customary law and show how it passed into written law. Compare with the Common Law of England.

2. What was the nature of the *jus gentium* as understood by the Romans? How was it related to the *jus naturale*? What use was made of it by the Roman praetors?

3. Explain the nature of the ancient Roman family in its domestic and political relations.

4. Wherein do the fields of ethics and jurisprudence coincide and wherein do they differ?

5. What are the chief rights *in rem* in private law?

6. State the grounds on which the individual has a claim to life and liberty as a primary right?

7. What are Mill's views as to the value of a second chamber? To what extent would they apply to the Canadian senate?





HONOURS.

**Political Science.**

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THIRD PAPER.

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1. What important social and political influence does Carlyle recognise in symbols?

2. What solution of the difficulties which arise between employers and labourers does Carlyle suggest in his chapter on Captains of Industry?

3. Consider Burke's defence of the position of the clergy and nobility, in France and England respectively, at the time of the French Revolution.

4. Estimate Burke's criticism of the treatment of the army by the National Assembly and Municipality of Paris at the beginning of the Revolution. To what extent was his criticism justified by subsequent events?

5. For what social and political evils does Arnold consider culture to be a remedy? How is the remedy to be effected?

6. What are some of the practical consequences of the physical view of society taken by Bentham and Spencer? To what extent are these consequences manifested in Canada?

7. In what degree, and by what means, is it possible to secure for the individual an all round development, while the conditions of modern society are tending to specialize his function? How do Carlyle, Arnold, and Montague treat this problem?

HONOURS.

Political Science.

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FOURTH PAPER.

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1. What, according to Adam Smith, was the nature of England's trade policy with regard to her American colonies? How does the present policy depend upon England's general treatment of trade?

2. Trace, giving the causes of the changes, the important stages in the development of production from the condition of individual, competitive enterprise to the modern trust.

3. What arguments may be advanced in favour of legalizing and regulating industrial trusts?

4. Give the leading ideas of the Physiocratic school of economists. Under what circumstances did this school originate, and who were its leaders?

5. To what extent does Malthus consider emigration a remedy for over population? How does Mill treat the same question?

6. Under what conditions, according to Ricardo, does a land tax fall upon rent and upon profits respectively?

7. "The rate of profits is never increased by a better distribution of labour, by the invention of machinery, by the establishment of roads and canals, or by any means of abridging labour either in the manufacture or in the conveyance of goods". *Ricardo*. Explain and examine.







HONOURS  
Political Science.

FIFTH PAPER.

1. Give a summary of Mill's treatment of private property in land. Consider critically the changes which he advocates.

2. What are the means which Mill regards as necessary for the permanent bettering of the condition of the labouring class? Compare his views with that of Cairnes.

3. Compare the ideas of Mill and Marshall as to the range and method of economic science. What is your own view?

4. Analyse rent and consider its connection with profit and interest.

5. "A trade may arise between two independent countries and be profitable for each under conditions in which it would not arise if the trading localities were within the range of a single country, that is to say, if they were so situated that labour and capital moved freely within them." *Cairnes*. State the necessary conditions referred to, and explain the nature of the trade which would result.

6. How is state socialism related to general socialism? To what extent does it influence Canadian legislation?

| 7.                     | <i>Assets.</i>  | <i>Liabilities.</i>                               |
|------------------------|---|---|
| Bank of England        | { Discounts, £28,400,000<br>Coin and bullion, £25,800,000       | Circulation, £24,900,000<br>Deposits, £27,500,000 |
| Bank of France         | { Discounts, £ 36,000,000<br>Coin and bullion, £106,000,000     | Notes, £123,900,000<br>Deposits, £ 30,900,000     |
| N. Y. Associated Banks | { Discounts, £97,700,000<br>Specie & legal tenders, £32,900,000 | Notes, £ 1,100,000<br>Deposits, £106,700,000      |
| Bank of Montreal       | { Discounts, £5,500,000<br>Specie & Dom. Notes, £ 740,000       | Notes, £1,000,000<br>Deposits, £2,500,000         |

What differences are here indicated in the methods and mechanism of exchange in the several countries represented?

HONOURS.

**Political Science.**

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SIXTH PAPER.

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1. State the chief features in the foreign trade policy of Edward III. Compare it with the prevailing policy of modern Europe and America.

2. Trace briefly the nature and influence of the Gilds Merchant in England. How were the Craft Gilds related to these?

3. State and criticise the leading features in the Ontario system of taxation.

4. What are the necessary conditions as to population, capital, and profits in order that trades-unions may be successful in securing and maintaining good rates of wages?

5. Upon what economic and social grounds does the principle of single tax, as at present advocated, rest? Consider the validity of these grounds.

6. What connection is there between the theory of Ricardo and the modern socialists with regard to wages?

7. Trace the changes in the system of apprenticeship within the past century and point out the good and evil effects which have accompanied them.



HONOURS,

English.

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*Style and Rhythm No. 1.*

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(Candidates are expected to answer Nos. 1, 2, and 4 fully.  
No. 3 is voluntary).

1. (1) His wandering step,  
Obedient to high thoughts, has visited  
The awful ruins of the days of old:  
Athens and Tyre, and Balbec, and the waste  
Where stood Jerusalem, the fallen towers  
Of Babylon, the eternal pyramids,  
Memphis and Thebes, and whatso'er of strange  
Sculptured on alabaster obelisk,  
Or jasper tomb, or mutilated sphinx.  
Dark Ethiopia on her desert hills  
Conceals. Among the ruined temples there,  
Stupendous columns and wild images  
Of more than man, where marble demons watch  
The Zodiac's brazen mystery, and dead men  
Hang their mute thoughts on the mute walls around,  
He lingered, poring on memorials  
Of the world's youth, through the long burning day  
Gazed on those speechless shapes, nor, when the moon  
Filled the mysterious halls with floating shades  
Suspended he that task, but ever gazed  
And gazed, till meaning on his vacant mind  
Flashed like strong inspiration, and he saw  
The thrilling secrets of the birth of time.  
Shelley—Alastor.
- (2) It seemed no force could wake him from his place;  
But there came one, who with a kindred hand  
Touch'd his wide shoulders, after bending low  
With reverence, though to one who knew it not  
She was a goddess of the infant world;  
By her in stature the tall Amazon  
Had stood a pigmy's height: she would have ta'en  
Achilles by the hair and bent his neck;  
Or with a finger stayed Ixion's wheel.  
Her face was large as that of memphian sphinx;  
Pedestal'd happy in a palace-court,  
When sages looked to Egypt for their lore.  
But oh! how unlike marble was that face:  
How beautiful, if sorrow had not made  
Sorrow more beautiful than Beauty's self—

There was a listening fear in her regard,  
As if calamity had but begun;  
As if the vanward clouds of evil days  
Had spent their malice, and the sullen rear  
Was with its stored thunder labouring up.

Keats—Hyperion.

(a) Point out, in the above passages, what you consider the best examples of felicity of expression, and show in what the excellence of each consists.

(b) Compare and characterize the diction and rhythm.

2. Never had the old house appeared so dismal to poor Hepzibah as when she departed on that wretched errand. There was a strange aspect in it. As she trode along the footworn passages, and opened one crazy door after another, and ascended the creaking staircase, she gazed wistfully and fearfully around. It would have been no marvel, to her excited mind, if, behind or beside her, there had been a rustle of dead people's garments, or pale visages awaiting her on the langing-place above. Her nerves were set all ajar by the scene of passion and terror through which she had just struggled. Her colloquy with Judge Pyncheon, who so perfectly represented the person and attributes of the founder of the family, had called back the dreary past. It weighed upon her heart. Whatever she had heard from legendary aunts and grandmothers, concerning the good or evil fortunes of the Pyncheons,—stories which had hitherto been kept warm in her remembrance by the chimney-corner glow that was associated with them,—now recurred to her, sombre, ghastly, cold, like most passages of family history, when brooded over in melancholy mood. The whole seemed little else but a series of calamity, reproducing itself in successive generations, with one general hue, and varying in little, save the outline. But Hepzibah now felt as if the Judge and Clifford, and herself,—they three together,—were on the point of adding another incident to the annals of the house, with a bolder relief of wrong and sorrow, which would cause it to stand out from all the rest. Thus it is that the grief of the passing moment takes upon itself an individuality, and a character of climax, which it is destined to lose after a while, and to fade into the dark grey tissue common to the grave or glad events of many years ago. It is but for a moment, comparatively, that anything looks strange or startling, a truth that has the bitter and the sweet in it.

(a) Characterize the style.

(b) Show how the passage illustrates Hawthorne's characteristic tendencies and methods as a novelist.

3. Shall I say, then, that, as far as we can trace the natural history of the soul, its health consists in the fulness of its reception,—call it piety, call it veneration,—in the fact that enthusiasm is organised therein. What is the best in any work of art, but that part which the work itself seems to require and do; that which man cannot do again, that which flows from the hour and the occasion, like the eloquence of men in a tumultuous debate? It was always the theory of literature, that the word of a poet was authoritative and final. He was supposed to be the mouth of Divine wisdom. If the theory has receded out of modern criticism, it is because we have not had poets. Whenever they appear, they will redeem their own credit.

Emerson—Method of Nature.

(a) Point out and characterize in the above passage the particular traits of style and the general character of the thought.

(b) What is the view here taken of art and literature? State the opposite theory, and name representative upholders on both sides.

4. Describe the metre in which the following passages are written. Characterize the rhythm of each, showing its relation to the thought or character of the poem. Give a complete metrical analysis of any two, noting use of pause, secondary and emphatic accents, &c.

(a) Amonges this poure folk ther dwelte a man  
Which that was holden pourest of hem alle;  
But hye god som tyme sendencan  
His grace in-to a litel oxe's stalle:  
Ianicula men of that thrope him calle.  
A doughter hadde he fair ynough to syghte,  
And Grisildis this yonge mayden hyghte.

(b) Liquid Peneus was flowing,  
And all dark Tempe lay  
In Pelion's shadow, outgrowing  
The light of the dying day,  
SPEEDED by my sweet pipings.  
The Sileni, and Sylvans, and Fauns,  
And the nymphs of the woods and waves,  
To the edge of the moist river-lawns,  
And the brink of the dewy caves,

And all that did attend and follow  
Were silent with love, as you now Apollo,  
With envy of my sweet pipings.

- (c) And they are gone: ay, ages long ago  
These lovers fled away into the storm,  
That night the Baron dreamt of many a woe,  
And all his warrior-guests, with shade and form  
Of witch, and demon, and large coffin-worm,  
Were long be-nightmared. Angela the old  
Died palsy-twich'd, with meagre face deform;  
The beadsman, after thousand aves told,  
For aye unsought-for slept among his ashes cold.
- (d) There's the bell clinking from the chapel-top;  
That length of convent-wall across the way  
Holds the trees safer, huddled more inside;  
The last monk leaves the garden; days decrease,  
And autumn grows, autumn in everything.  
Eh! the whole seems to fall into a shape  
As if I saw alike my work and self  
And all that I was born to be and do,  
A twilight-piece.—



HONOURS.

English.

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Books. No. 2.

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(Candidates are expected to answer two questions in Sections 1 and 2 and one question in Section 3).

I.

1. Explain the meaning of the following passages with reference to the context and the general idea of the poem. Make special notes on the words and phrases italicized :

- (a) Well, less is more, Lucrezia: I am judged,  
There burns a truer light of God in them,  
In their vexed beating stuffed and stopped-up brain,  
Heart or whate'er else, than goes on to prompt  
This *low-pulsed forthright craftsman's hand* of mine.

And indeed the arm is wrong.

*I hardly dare*. . . yet, only you to see,  
Give the chalk here—quick, thus the line should go!  
Ay, but the soul! he's Rafael! rub it out!

In this world, who can do a thing, will not;  
And who would do it, cannot, I perceive:  
Yet the will's somewhat—somewhat, too, the power—  
And thus, we half-men struggle. At the end,  
God, I conclude, compensates, punishes.

- (b) And yet the old schooling sticks, the old grave eyes  
Are peeping o'er my shoulder as I work,  
The heads shake still—"It's arts' decline, my son!  
"Your'e not of the true painters, great and old;  
" *Brother Angelico's* the man, you'll find;  
" *Brother Lorenzo* stands his single peer:  
" Fag on at flesh, you'll never make the third! "

- (c) Just when we are safest, there's a sunset-touch,  
A fancy from a flower-bell, some one's death,  
A chorus-ending from Euripides,—  
And that's enough for fifty hopes and fears  
As *old and new at once as nature's self*,  
To rap and knock and enter in our soul,



Take hands and dance there, a fantastic ring,  
Round the ancient idol, on his base again,—  
The grand Perhaps!

Your picked twelve, you'll find,  
Profess themselves indignant, scandalized  
At thus being held unable to explain  
How a superior man who disbelieves  
May not believe as well: that's *Schelling's* way!

2. "The consummation coming past escape  
When I shall know most, and yet least enjoy"—

State fully the problem of Cleon's life as it appears to himself. How does he differ in intellectual characteristics and tendencies from a Greek of the classical age? How does the problem appear to the modern consciousness?

3. Illustrate characteristic qualities of Browning's work from any two of the following poems:—The Glove, A Toccata of Galluppi's, Waring.

## II.

4. Show the relation of *Sartor Resartus* to the practical and speculative difficulties of the time in which it was produced.

5. What is the ground of Carlyle's opposition to the scientific spirit of his time, as shown in his criticism of Political Economy, Utilitarianism and Objective Science?

6. How does Carlyle criticize Society, i. e. the social organism? How far was his criticism justified by the condition of the time, and how far do you consider it still justifiable?

7. 'Andreas had been grenadier Sergeant, and even regimental Schoolmaster under Frederick the Great; but now, quitting the halbert and ferule for the spade and pruning-hook, cultivated a little Orchard, on the produce of which he, Cincinnatus-like, lived not without dignity. Fruits, the peach, the apple, the grape, with other varieties came in their season; all which Andreas knew how to sell; on evenings he smoked largely, or

‘ read (as beseemed a regimental Schoolmaster), and talked to neighbours that would listen about the Victory of Rossbach; and how Fritz the Only (*der Einzeige*) had once with his own royal lips spoken to him, had been pleased to say, when Andreas as camp-sentinel had demanded the pass-word, “*Schweig Hund* (Peace, hound)!” before any of his staff-adjutants could answer. “*Das nenn’ ich mer einen König*, There is what I call a King,” would Andreas exclaim: “but the smoke of Kunersdorf was still smarting in his eyes.”

‘ Gretchen, the housewife, won like Desdemona by the deeds rather than the looks of her now veteran Othello, lived not in altogether military subordination: for, as Andreas said, “the womankind will not drill (*wer kann die Weirbechen dressiren*): nevertheless she at heart loved him both for valour and wisdom; to her a Prussian grenadier Sergeant and Regiment’s Schoolmaster was little other than a Cicero and Cid: what you see, yet cannot see over, is as good as infinite. Nay, was not Andreas in very deed a man of order, courage, downrightness (*Geradheit*); that understood Büsching’s *Geography*, had been in the victory of Rossbach, and left for dead in the camisade of Hochkirk? The good Gretchen, for all her fretting, watched over him and hovered round him as only a true housemother can: assiduously she cooked and sewed and scoured for him; so that not only his old regimental sword and grenadier-cap, but the whole habitation and environment, where on pegs of honour they hung, looked ever trim and gay: a roomy painted Cottage, embowered in fruit-trees and forest-trees, evergreens and honeysuckles; rising many-coloured from amid shaven grass-plots, flowers struggling-in through the very windows; under its projecting eaves nothing but garden-tools in methodic piles (to screen them from rain), and seats where, especially on summer nights, a King might have wished to sit and smoke, and call it his. Such a *Bauergut* (Copyhold) had Gretchen given her veteran; whose sinewy arms, and long-disused gardening talent, had made it what you saw.

(a) Define the quality of Carlyle’s humour in the above passage. Show its relation to the general view of life.

(b) Illustrate from the above the descriptive and dramatic qualities of Carlyle’s work.

### III.

8. “The moment, however, that we leave the small band of the very best poets, the true classics, and deal with poets of the next rank, we shall find that perfect truth and seriousness of matter, in

close alliance with perfect truth and felicity of manner, is the rule no longer." (Arnold).

Discuss the poetry of any two of the following poets from this point of view : Shelley, Keats, Coleridge, Heine, De Musset.

9. "Mr. Spedding taking me to task for saying that the blank verse used for rendering Homer 'must not be Mr. Tennyson's blank verse,' declares that in most of Mr. Tennyson's blank verse all Homer's essential characteristics—'rapidity of movement, plainness of words and style, simplicity of directness of ideas, and, above all, nobleness of manner—are as conspicuous as in Homer himself.' " (Arnold).

Discuss this question.

HONOURS.

English.

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*General Paper, No. 3.*

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(Candidates are expected to answer Nos. 1, 2, 3 and 4 fully, and the others as time may permit).

1. Give a sketch of the development of the poetic interpretation of nature from Shakespeare to Wordsworth.

2. Compare Shakespeare and Browning as dramatists under the following heads :—Dramatic form and methods ; historical truth and colour in representation of the past.

3. What common element is there in the intellectual characteristics of Carlyle and Emerson? Compare the two as thinkers.

4. "It is to be observed that Lord Macaulay's style has, in its turn, suffered by his failure in ideas, and this cannot be said of Addison's" (Arnold). Explain and discuss this opinion.

5. Compare Scott and Thackeray in their treatment of the heroic, the conventional, and the natural aspects of life.

6. What, according to Arnold, are the characteristic tendencies of the English and the French nation, and how are they illustrated in the history of each?

7. Characterize carefully the difference of style in the following poems :—*Ruth*, *Sonnet on Venice*, *Michael*, *The Excursion*.

8. Compare the work of Arnold and St. Beuve and the position which they hold in English and French literature respectively.



# HONOURS.

## English.

### Anglo-Saxon. No. 4.

#### I.

1. On *tham* ylcæn timan com eac sum bisceop from Rome-byrig, Birinus gehaten, to Westseaxena kyninge, Cynegyls gehaten, se wæs *tha* git hæthen and eall Westsexena land. Birinus witodlice gewende fram Rome be *thæs* papan ræde *the tha* on Rome wæs, and behet *thæt* he wolde Godes willan gefremman, and bodian *tham* hæthenum *thæs* Hælendes naman and *thone* sothan geleafan on fyrlenum landum. *Tha* becom he to Westseaxan, *the* wæs *tha* gyt hæthen, and gebigde *thone* cynincg Kynegyls to Gode, and ealle his leode to geleafan mid him. Hit gelamp *tha* swa *thæt* se geleaffulla Oswold, Northhymbra cyning, wæs cumen to Cynegylse, and hine to fulluhte nam, fægen his gecyrrednysse. *Tha* geafon *tha* cynegas, Cynegyls and Oswold, *tham* halgan Birine him to bisceopstole *tha* burh Dorcanceaster, and he *thær*binnan wunode Godes lof arærende and gerihtlæcende *thæt* folc mid lare to geleafan to langum fyrste, *oth thaet* he gesælig sithode to Criste; and his lic wearth bebyrged on *thære* yclan byrig, *oth thæt* Hædde bisceop eft his ban ferode to Wintanceastre, and mid wurthmynte gelogode binnan Ealdan-mynstre, *thær* man hine wurthath gyt.

(a) Translate.

(b) Parse, giving the principal parts of the verbs and declining the nouns, the following words: *westsexena*, *behet*, *nam*, *gerihlæcende*, *wearth*, *gecyrrrednysse*.

(c) Sketch a map showing the territorial divisions of Britain at this epoch.

Translate the following passage :—

2. Ond *thæs* ymb iiii niht gefeaht Æthered cyning ond Ælfred his brothur with alne *thone* here on Æscedune. Ond hie wærun on twæm gefylcum: on *othrum* wæs Bachsecg ond Halfdene *tha* hæthnan cyningas, ond on *othrum* wæron *tha* eorlas. Ond *tha* gefeaht se cyning Æthered with *thara* cyninga getruman, ond *thær* wearth se cyning Bagsecg ofslægen; ond Ælfred his brothur with *thara* eorla getruman, ond *thæer* wearth Sidroc eorl ofslægen se alda, ond Sidroc eorl se gionega, ond Osbearn eorl, ond Fræna eorl, ond Hareld eorl; ond *tha* hergas begen gefliemde, ond fela *thusenda* ofslægenra, ond on feohtende wæron *oth* niht.

3. *Tha se eorl ongann for his ofermode  
 alyfan landes to fela lathere theode.  
 Ongann ceallian tha ofer cald wæter  
 Byrhtelmes bearn, (beornas gehlyston):  
 'Nu eow is gerymed, gath ricene to us,  
 guman to guthe; God ana wat,  
 hwa thære wælstowe wealdan mote.'  
 Wodon tha wælwulfas, for wætere de murnon,  
 wicinga werod, west ofer Pantan,  
 ofer scir wæter scyldas wægon,  
 lidmenn to lande linda bæron.  
 Thær ongean gramum gearowe stodon  
 Byrhtnoth mid beornum: he mid bordum het  
 wyrcan thone wihagan, and thæt werod healdan  
 fæste with feondum. Tha wæs feohte neh  
 tir æt getohte; wæs seo tid cumen  
 thæt thær fæge menn feallan sceoldon.  
 Thær wearth hream ahafen, hremmas wundon,  
 earn æses georn; wæs on eorthan cym.*

(a) Translate.

(b) Parse and conjugate throughout: *wealdan, mote, ahafen*. Mark the long vowels.

4. Scan the first six lines, and indicate generally the characteristic differences between Anglo-Saxon and modern English rhythm.

5. Explain precisely the original difference of meaning in the titles applied to Byrhhroth, *eorl, ealdorman, thegen, hlaford, theoden*. How are they used by the poet in the *Battle of Maldon*?

6. What inferences would you draw from this poem as to the political, social or moral condition of the Anglo-Saxons?

## II.

1. *Ther was bi king Willames daye worre & sorwe inou,  
 Vor no mon ne dorste him withsegge he wroghte mucche wou.  
 To hom, that wolde is wille do debonere he was & milde,  
 & to hom that him with-sede strong tirant and wilde.  
 Wo-so come to esse him right of eni trespas.  
 & the more unright me ssolde him do ac among othere  
 natheles*



thoru-out al Engeland he huld wel god *pes*  
 Vor me mighte bere bi is daye and lede hardeliche  
 Tresour aboute & other god oueral *aperteliche*  
 In wodes & in other stodes so that no time nas  
 Thet *pes* bet isustained than bi his time was  
 Game of houndes he louede inou & of wilde best,  
 & is forest & is wodes & mest *the* niwe forest,  
 That is in Southhamtessire vor thulke he louede inou,  
 & astorede wel mid bestes & lese, mid gret wou.  
 Vor he caste out of house & hom of men a gret route,  
 & bi-nom hor lond, *ye*, *thritti* mile & more *ther*-aboute  
 & made it al forest and lese *the* bestes uor to fede.

(a) Translate and make notes on the words italicized.

(b) Give a four-column analysis (Root, Immediate Origin, Middle English and Modern English) of the following words, explaining particularly vowel-changes whether in character or pronunciation :—*mihte*, *wolde*, *houndes*, *Engelond*.

(c) What are the peculiarities of Robert of Gloucester's dialect?

2. Explain and illustrate by examples the origin of the italicised vowel in the following words : *far*, *born*, *bind*, *bold*, *welsh*, *teeth*, *from*, *mingle*.

3. Describe and explain the change which the following words have undergone :—*hawk*, *such*, *bishop*, *buy*, *lady*, *through*, *edge*, *wrought*.

4. Show, by Brugmann's scheme, that the gradation of verbs *sprecan*, *teran*, *drifen*, *beodan*, is of the same type.







HONOURS.

**History.**

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FIRST PAPER.

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*Answers to only six questions required.*

1. Trace the principles of representation under the Anglo-Saxon constitution, and till the formation of the House of Commons.

2. Who were members of the Witenagemote? What were its powers in legislation, in administration, and as a court of justice, &c., &c.? Gneist regards the Witenagemote as identical with the Folkmote in the smaller kingdoms. Give his reasons.

3. What were the powers of the king in the Anglo-Saxon constitution? What was the significance of *Mundborh* as applied to the king?

4. Explain the terms *trinoda necessitas*; also *sac* and *soc*. What was the extent of the right of *sac* and *soc* before the Norman conquest?

5. Explain the military system under the Anglo-Saxons. What was its relation to *bockland* and also *folkland*?

6. Distinguish between allodial tenure and feudal tenure. Explain the change of tenure introduced by the conqueror.

7. What were the Palatine Earldoms? What was their origin? What was the extent of their jurisdiction?

8. Explain the *Magnum Concilium* and the *Curia Regis*. What were the powers of the *Curia Regis* under the Norman kings? What changes were effected by Henry II?

9. State the changes made by Henry II in the admin-

istration of justice. What is meant by Jury of Presentment? What were its functions as established by the Assize of Clarendon? What changes were made by the Articles of Visitation in 1194, and by the Assize of Northampton in 1196?

10. Trace the origin of the House of Commons and its separation as a distinct body from the House of Lords. What circumstances prevented the Knights of the Shire from becoming an hereditary order or a separate estate, and led to their union with the representatives from the boroughs. Who were the electors in the counties or boroughs? What change was made in the suffrage in the reign of Henry VI?





HONOURS.

**History.**

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SECOND PAPER.

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*Answers to only six questions required.*

1. Explain the statutes—Quia Emptores ; De Religiosis ; of Praemunire ; of Provisors ; and also the Statute of Labourers. State the circumstances which called for each. How far can a statute such as the Statute of Labourers deal with the difficulties which seemed to require that statute ?

2. Distinguish between ordinance and statute. What influence had this distinction upon the origin of the House of Commons ? Gneist says, " This development of the House of Commons led of itself tacitly to a division of Parliament into two Houses." Explain his meaning.

3. Explain the right of taxation from Anglo-Saxon times till it became the especial privilege of the House of Commons.

4. What were the prerogatives of the Crown from the early Angevin kings till the Tudors ? To what was the extension of this prerogative due ?

5. Gneist attributes to the Tudors the building up of a strong county constitution. State his grounds for this view.

6. Give a sketch of the development of the Parochial system under the Tudors, and especially as affected by the consfication of the monasteries.

7. State the several questions which grew out of the impeachment of the Earl of Danby in the reign of Charles II in regard (a) to the king's pardon as a bar to an impeachment ; (b) the right of the spiritual peers to sit in a

case of impeachment ; (c) the abatement of an impeachment by a prorogation or a dissolution of parliament. State the different views taken.

8. What power has the House of Lords to reject or amend a money bill ?

9. State the arguments against life peerages. Illustrate by the Wensleydale peerage. What is a peerage "with remainder over" ?

10. Sketch the growth of ministerial responsibility. When Sir R. Peel was called in 1834 to form a ministry he stated his views of ministerial responsibility; what were his views ?







## History.

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*Answers to only seven questions required.*

1. State Rosseau's arguments for denying representation and insisting on individual sovereignty. Criticise the arguments.

2. Criticise the two following declarations : "No one is bound to obey laws to which he has not given his consent," and "The elect of the sovereign is itself sovereign."

3. Show that the three forms of government, monarchy, aristocracy, and democracy, really rest on the same fundamental principles, and alike lead to tyranny.

4. What is the mode of election of a President of the United States? Show that what was intended to be an indirect has become virtually a popular election.

5. How are members of the Senate elected?

6. What restrictions are there on the President's veto?

8. Compare the legislative methods of Congress with those of the British Parliament. Bryce classes the dissimilarities under seven heads; state these clearly.

8. What power has Congress over the executive?

9. Point out generally the respective legislative powers of the Federal, and of the Provincial Parliaments in Canada. What restrictions are there in regard to education?

10. What, according to the British North American Act, are the rules for money votes, and for the Royal assent?

**History.**

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*Answers to only six questions required.*

1. What are the terms of the Act of Settlement of 1701?
2. How far may the House of Lords be regarded as representative?
3. What are the true relations which ought to exist between a representative and his constituents, and especially in regard to pledges exacted by his constituents? What were Burke's views?
4. What are the relations of a Cabinet Minister to the Sovereign and also to his Colleagues? Illustrate by the case of Lord Palmerston when he was foreign Secretary in 1861, and was dismissed from the ministry.
5. Give a short account of the Regency Acts proposed in the reign of George III.
6. In what sense may a creation of peers be regarded as equivalent to a dissolution?
7. What were the sources of the revenues of the Crown under the Tudors? What changes have since been made in the "Civil List"?
8. State what measures have been taken since the Stuarts for the exclusion of placemen and pensioners from the House of Commons. How did the Reform Act of 1867 deal with the case of the removal of a minister from one office under the Crown to another.
9. Under what circumstances was the union of Ireland with Great Britain effected in 1801. What were the terms of the Union?





## History.

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*Answers to only eight questions are required.*

1. Distinguish between parliament "as a legislative and a constituent" assembly. How is the fact that the constitution of England is unwritten connected with this distinction? Point out any contrast between this peculiar feature of the English constitution and the constitution of the United States.

2. How far does the distinction suggested in the previous question hold good in regard to the Colonies: as Canada, Victoria, and as to the administration of British India? State generally the terms of the Colonial Laws Act of 1865.

3. Dicey says, "The rule of law, which forms a fundamental principle of the constitution, has three meanings, or may be regarded from three different points of view." What are these points of view? How far is "the rule of law" peculiar to England?

4. Explain the applications of "the rule of law" in regard to (a) the right of personal freedom, (b) the right of freedom of discussion, (c) the right of public meeting.

5. What is meant by "convention of the constitution"? Illustrate by the case of ministerial responsibility.

6. Compare the relation of the Cabinet in the United States to Congress, with that of the Cabinet in England to Parliament.

7. State the modes of election of a President of the United States, and of members of the Senate.

9. What are the executive and judicial powers of the Senate?

9. How can an amendment of the constitution of the United States be effected ?

10. Point out the distribution of legislative powers between the Federal and the Provincial Governments in Canada. In what cases are the powers concurrent ?

11. The administration of justice in the province of Quebec differs from that in the other provinces ; what are the respective sources of their laws ? What laws are uniform throughout the Dominion ?





## Honour Zoology—First Year.

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### FIRST PAPER.

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#### *Zoology of Vertebrata.*

1. State some of the important facts relating to the changes wrought by the Glacial epoch on animal distribution.

2. What is meant by the “dispersal of Birds”? What are the means and what the barriers? Give some account of the migration.

3. In what region (according to Wallace) is Canada included? Name the other sub-divisions in the same region.

4. What are the parts of the ovum of a Bird?

5. Describe the formation of the neural canal in a Vertebrate embryo.

6. What structural elements enter into the formation of the Chelonian Carapace and Plastron? Describe briefly their arrangement.

7. What classes are included in Huxley's Sauropsida, and how are they distinguished?

8. Describe the typical arrangement of the parts in a Vertebrate fore-limb, and briefly detail the modifications which occur in the fore-limb of the horse.





**Honour Zoology**—First Year.

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SECOND PAPER.

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*Physiology.*

1. Classify the food-stuffs, and state what is meant by Metabolism.

2. What are the lymphatics and what is meant by a lymph-heart? How many lymph-hearts in the Frog and where situated?

3. What is the composition of human blood? Describe the process of coagulation.

4. Describe briefly the structure of the human liver. What is its function?

5. Where is the Pancreas situated? What is the function of its secretion?

6. Describe briefly the internal structure of the human ear.

## Honour Zoology—First Year.

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### THIRD PAPER.

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#### *Anatomy of Vertebrata.*

1. Name bones of skeleton of pectoral limb in a Cat. How may (1) Metacarpal, (2) Metatarsal bones in the Cat's skeleton?

2. Give origin and insertion of following muscles in the Cat :—(1) Levator palpebrae, (2) Buccinator, (3) Temporalis, (4) Trapezius.

3. Describe the tongue in the Cat, indicating (1) its muscular elements, (2) its epithelial structure, (3) its nerve supply.

4. Illustrate by diagram the mechanism by which Bile is temporarily stored in the Gall-bladder.

5. In dissecting a Fish (1) where would you look for the Air-bladder, (2) what is its function, (3) from what is it developed?

6. What steps are necessary in the preparation of a piece of Frog's muscle for microscopic examination?







## Honour Zoology.

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### INVERTEBRATA.—FIRST PAPER.

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#### *Morphology.*

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The candidate will illustrate by drawings where necessary.

1. Discuss the differences (1) between organised and unorganised substances, (2) between plants and animals. (3) What are the points of similarity between plants and animals?

2. Give classification of Protozoa and describe one species belonging to Foraminifera. Give name of species.

3. State differences between Alcyonarian and Zoantharian corals. Give examples of families belonging to each.

4. Give definition of Echinodermata and describe the water-vascular system, including the Polian vesicles and ambulacral feet, of a Star-fish.

5. Describe the external structure of *Strongylocentrotus Drobachiensis*.

6. Describe as fully as you can (1) the alimentary canal, (2) the blood-vascular system, (3) the nervous system of *Hirudo medicinalis*.

7. Describe external structure of *Astacus fluviatilis*, or *Homarus Americanus*.

## Honour Zoology.

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### INVERTEBRATA.—SECOND PAPER.

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#### *Anatomy and Embryology.*

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The candidate will illustrate by drawings.

1. Describe the Embryological development of any two of the following :—

1. *Homarus Americanus*.
2. *Taenia Solium*.
3. *Trichina Spiralis*.
4. Any insect, give name.

2. Describe the process by which you would dissect out the nervous system of a lobster, and describe the system.

3. Describe (1) the digestive system, (2) the respiratory system of a grasshopper.

4. Write notes on the organs of locomotion of any three classes of Invertebrata.





## Honour Botany—First Year.

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### FIRST PAPER.

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#### *Morphological Botany.*

1. How are Epiphytes distinguished from Parasites, and how do green and pale or colored Parasites differ from each other?
2. Explain the Dichotomous and Monopodial modes of branching.
3. Describe the different modes in which plants climb, giving examples.
4. How is Cross-fertilization secured in *Epilobium angustifolium*, in *Kalmia*, and in *Habenaria*?
5. Give a list of Dry (1) Indehiscent, (2) Dehiscent fruits.
6. Explain four ways in which seeds may be distributed, and show how they are adapted for such distribution.
7. Describe the different modes of Cell-formation.
9. Describe the growth of a Stoma and of a glandular hair.
9. What forces disturb the equilibrium of the water in a growing plant?
10. Mention five principal elements of plant-food, and state the sources from which each is derived.

## Honour Botany—First Year.

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### SECOND PAPER.

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#### *Practical Botany.*

1. You have before you a bundle of 30 plants. Give the botanic name and family of each.

2. Select one specimen from each of any four families and describe them as carefully as you can, giving (1) ordinal, (2) generic, (3) specific characters.

2. Give a list of plants whose fruit is a

1. Follicle,
2. Legume,
3. Drupe,
4. Achenes,
5. Silique.

4. What are the technical names of the fruits produced by the following plants?

1. *Ranunculus*,
2. *Actaea*,
3. *Caltha*,
4. *Desmodium*,
5. *Vicia*,
6. *Negundo*.

5. If there are any plants in the bundle having the following kinds of underground stems, mention them :

1. Rhizome,
2. Bulb,
3. Tuber,
4. Corm.







## Honour Geology—First Year.

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### FIRST PAPER.

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#### *Physical Geography.*

1. With what subjects does Physical Geography deal and on what subjects does it receive assistance or information from other Sciences.

2. "The student will readily perceive that upon these three elements, of position, contour, or relief, depend the climate, physical aspects, and vital diversity of any portion of the dry land." Explain this statement and give illustrations to prove its correctness.

3. Describe the great plains of N. and S. America.

4. Give a brief outline of the Atlantic river system and describe more fully the N. Am. section.

5. How can the height of a mountain be determined (1) by boiling water, (2) by a Barometer.

6. Potatoes cannot be boiled, or a good cup of tea made, on a lofty mountain. Why?

7. Explain why in fine weather it is warmer two or three hours after noon than two or three hours before it. Why not warmest when the sun is due South?

8. How do you explain the fact that there are two tides a-day, and two spring-tides and two neap-tides a-month?

9. Explain how the following are produced :—(1) Dew, (2) Fog, (3) Hoar-frost, (4) Rainbow.

10. How do you account for the fact that the inside of the windows of our houses are covered with frost during cold weather and the outside of stone houses during a thaw?

## Honour Geology—First Year.

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### SECOND PAPER.

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#### *Geology.*

1. Write notes on the Laurentian rocks, giving (1) their distribution in N. Am., (2) kinds of rocks, (3) minerals and ores, (4) evidence, if any, of organic life.

2. Give the distribution of the Trenton limestones in Canada and a list of the fossil Mollusca.

3. When were the following introduced and when did they culminate :—(1) Ganoid Fishes, (2) Teliost Fishes, (3) Reptiles, (4) Birds, (5) Mammals, (6) Herbivora?

4. Explain and give illustrations of the principle that a general parallelism exists between the progress of the earth's life and the successive phases in embryonic development.

5. State briefly the evidence for the existence of man in the Champlain period.

6. Write notes on (1) the plants of the Carboniferous period, and (2) the formation of Coal.

7. Give a list of genera of plants that you know were introduced in the Cretaceous.



## Honour Geology—First Year.

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### THIRD PAPER.

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#### *Principles of Geology.*

1. Upon what principles do Geologists divide up geological time into ages, such as, the Devonian age, the age of mammals, &c.?

2. How are the imperfections of the Geological record accounted for?

3. How is the preservation of Fossil rain-prints accounted for?

4. How are the Earth-pyramids in the Tyrol formed?

5. It has been supposed that the Igneous agencies acted with greater intensity in remote geologic ages than at present. How can this supposition be disproved?

6. Explain as fully as you can the common theory of the formation of Coral reefs. State any objections you know to this theory.

7. Explain some of the processes by which the remains of animals and plants become fossil.



HONOURS.

*Organic Chemistry.*

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I.

1. (a) Distinguish *normal*, *iso*-, *meso*-, and *neo*- paraffins, giving examples of each class. (b) Give an outline of a nomenclature of paraffins based on their relations to methane.
2. Compare the organic derivatives of ammonia with those of phosphine.
3. Describe *three* ways in which haloid ethereal salts can be converted into the corresponding alcohols.
4. Outline the chemistry of the sulphine compounds.
5. How can the relation of the groups in dinitrobenzene be determined by using the diazo reactions?

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II.

1. Describe general methods of preparing amides of the types  $\text{CO} < \begin{smallmatrix} \text{NR}_2 \\ \text{NH}_2 \end{smallmatrix}$  and  $\text{CO} < \begin{smallmatrix} \text{NHR} \\ \text{NHR} \end{smallmatrix}$ .
2. What is the general nature of the products of the electrolysis of fatty acids?
3. How has it been proved that the six hydrogen atoms of the benzene molecule are similarly situated?
4. Discuss the isomerism of the tartaric acids.
5. How has the constitution of citric acid been arrived at?







## HONOURS.

### *History of Chemistry.*

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1. (a) Write notes on ideas regarding chemical composition from Empedocles to Stahl. (b) Give an outline of Stahl's Chemical Theory. (c) Compare Stahl's definition of Chemistry with Boerhaave's and with that of the earlier alchemists.

2. Discuss Lavoisier's chemical nomenclature, pointing out to what extent its principles are still observed.

3. Compare the use made of the *Law of Combining Volumes of Gases* by Gerhardt and Laurent with its present use in determining molecular and atomic wts.

4. Mention Boyle's principal contributions to chemical science.

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### *General Chemistry.*

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1. Write an account of Group III of the Periodic System of the Elements.

2. (a) Write a sketch of vanadium and its compounds. (b) Compare vanadium with the other elements of the group to which it belongs.

3. Discuss *double sulphates*.

4. Give some account of the chemistry of the rarer elements of Group VI.

5. (a) Describe *two* methods by means of which potassium, rubidium, and caesium can be partially separated from each other. (b) Show that these methods are based on relations which are found to hold pretty generally in the Natural Families of the Elements.

*Crystallography.*

1. Give an outline of Miller's system of notation, and compare Miller's and Naumann's symbols for the hexakisoctahedron.

2. Show how all the holohedral forms of the cubic system can be derived from the most general form,  $mOn$ , by varying the values of  $m$  and  $n$ .

3. (a) What are the limiting forms of the triakisoctahedron, when  $m$  varies? (b) What are the more common values of  $m$ ?

4. Describe the different kinds of hemihedrism in the cubic system, mentioning the hemihedral forms, and distinguishing between *congruent* and *enantiomorphous* forms.

5. (a) Deduce the formula for the most general form in the hexagonal system. (b) What values may  $n$  have in this formula?

6. (a) Describe the ditetragonal pyramid. (b) What are the corresponding forms in the orthorhombic system?

7. Name and describe the forms which modify the tetragonal pyramid ( $P$ ) as follows:—

- (a) Its polar angles are truncated.
- (b) Its polar angles are bevelled.
- (c) Its basal edges are symmetrically truncated.
- (d) Its polar edges are asymmetrically truncated.
- (e) Its basal angles are asymmetrically truncated.





HONOURS.  
**Chemistry.**

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*Qualitative Analysis.*

1. Given a solution containing Silver, Lead, Antimony, Tin, Copper, Bismuth, Aluminum, Nickel, Manganese, Strontium and Potassium, explain how you would proceed to detect the presence of these bases and separate them.

2. Give one good corroborative test for each of the following substances in solution, explaining how the tests are applied :—Mercury, (*ic*), Arsenic, Cadmium, Iron, Manganese, Magnesium, Sodium, Boracic acid, Nitric acid, Hydrosulphuric acid.

3. How would you distinguish between

(a) *Ferrous* and *Ferric* salts,

(b) *Stannous* and *Stannic* salts,

(c) *Arsenites* and *Arsenates*,

(d) *Metaphosphates* and *Orthophosphates*?

4. What is the action of Hydrochloric, Sulphuric and Nitric acids respectively on the metals Zinc, Tin, Antimony, Silver, Lead, Gold and Platinum?

## HONOURS.

### Mineralogy.

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#### *Blowpiping.*

1. Making use of pencil sketches, describe the parts of a candle flame and show how they are affected when a current of air from a blowpipe, is directed on the flame. Show how the Bunsen flame may be substituted for the blowpipe flame.

2. Give four reactions that may occur when mineral substances are heated in matrasses.

3. Give the closed-tube, open-tube and charcoal reaction for Sulphur, Metallic Arsenic, and Mercuric Sulphide.

4. Give one good blowpipe test each for Antimony, Bismuth, Tin and Zinc.

5. How may the *fusibility test* be used in the classification of Sulphides?

6. What mineral substances impart a green color to the blowpipe flame?

7. Explain how substances containing sulphur are treated before fusion in the borax bead. Give reasons for this treatment.



## Practical Mineralogy.

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### *First Year.*

1. Give the colour, streak, hardness, structure, form, and density of the samples marked *a, b, c*.
  2. Determine the mineral samples marked *d, e, f, g, h, i*.
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## Practical Blowpipe Analysis.

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### *First Year.*

1. Determine, by heating on charcoal, the samples of metals marked *a, b, c*.
2. Determine, by fusion in the borax bead, the substances marked *d, e, f*.
3. Ascertain, by means of the blowpipe, the composition of the mineral specimens marked *g, h, i*.







HONOURS.

**Mineralogy.**

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FIRST PAPER.

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1. (a) Define the term *mineral*, and criticise your definition.

(b) Show the practical application of the study of mineralogy.

2. (a) Under what conditions are crystals formed?

(b) Why do we seldom find perfectly developed crystals of minerals?

3. Wherein do *inorganic* individuals differ from *organised* individuals?

4. Describe the principal irregularities in the forms of crystals.

5. Distinguish *hemimorphism* and *hemihedrism*, giving examples.

6. (a) What is meant by the *structure* of minerals?

(b) Describe the various kinds of structure, illustrating by examples of common minerals.

HONOURS.

**Mineralogy.**

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SECOND PAPER.

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1. (a) Explain *cleavage* in minerals.  
(b) Show of what use a knowledge of it is.
2. What is meant by *pseudomorphism*? Explain the various ways in which it may occur.
3. The index of refraction of diamond is 2.419. Explain this.
4. What is meant by *diaphaneity*? Give the different degrees of it, with examples.
5. (a) Give Mohs' scale of hardness.  
(b) Show how you would apply it.
6. Show how the sense of touch may be used in the determination of minerals.
7. Distinguish *crystallographic*, *optical*, and *elasticity axes*.
8. (a) What is meant by *isotropic* and *anisotropic media*?  
(b) Of what use is a knowledge of the optical properties of minerals?





## Examination for Degree of D.Sc.

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### Geology.

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#### *Crystallography.*

1. Discuss the crystalline forms of the following groups of minerals :—

- (a) Felspars.
- (b) Augite and Hornblende.
- (c) Pyrites.
- (d) Sesquioxides ( $M_2O_3$ ).

2. Describe fully the models and crystals marked A, B, C, D, and E.

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#### *Mineralogy.*

1. Discuss the following groups of minerals as to chemical composition, distribution, and economic value :—

- (a) Asbestos.
- (b) Talc,
- (c) Apatite.

2. Discuss fully the nickel ores of Canada.

## Examination for Degree of D.Sc.

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### Geology.

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#### *Petrography.*

1. (a) Distinguish between *optic axes*, *crystallographic axes* and *elasticity axes*.

(b) Show by a diagram how these are related to one another in the mineral calcite.

2. (a) What is meant by *uniaxial* and *biaxial minerals*?

(b) To what systems of crystallisation do *uniaxial* and *biaxial minerals* respectively belong?

3. Discuss *liquid inclusions* in minerals.

4. How would you recognise the following minerals under the microscope :—(a) quartz, (b) apatite, (c) pyrite, (d) magnetite, (e) fluorite?

5. Report on the four thin sections numbered 1, 2, 3, 4.





## Law.

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### *Constitutional History.*

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1 State the several territorial divisions of the Anglo-Saxons, and the courts of each, also the administration of justice in each of these courts.

2. What were the relations of the Clergy to these territorial divisions and their courts?

3. State who composed the Witenagemote, and also its powers.

4. Among the Anglo-Saxons in what respect and how far was the sovereign supreme? Mention any limitations to his supremacy.

5. Criticise the assertion that William I introduced feudalism into England.

6. What were the Palatine earldoms established by William? What was their purpose? What relations did they have to the earlier great earldoms of Canute?

7. Describe the military system of the Anglo-Saxons; also its later development under the Norman kings; and still later under Henry II.

8. Gneist says. "The Curia Regis may be considered as (1) the Norman court days; (2) the royal courts of justice; (3) the whole government of the realm. Explain the Curia Regis in each of these aspects fully.





*For Degree of LL.B.*

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**Jurisprudence.**

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*Holland and Maine.*

1. In what sense is it correct to speak of certain moral and social principles as Laws of Nature?
2. What is the use and force of precedent in English Law, and what legal fiction does it imply?
3. Explain the nature of Sovereignty and its relation to Public Law.
4. Compare the position and influence of the Roman praetor with those of the English chancellor, in the development of Equity.
5. According to Holland, *jura in personam* are distinguished as *ex lege* and *ex contractu*. Explain, with examples.
6. What is the nature of Administrative Law, and what are some of the chief matters with which it deals?
7. Contrast the legal and political relations of the ancient and modern family.

*For the Degree of LL.B.*

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**Roman Law.**

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*Justinian and Maine.*

1. What was the legal process by which adoption was effected? What gave to adoption its importance in the Roman system?

2. Trace the growth of testamentary succession in Roman law.

3. State the nature and application of *usucapio* as a mode of acquiring possession.

4. Give the distinction between *res Mancipi* and *res nec Mancipi*, and the subsequent conditions which led to the disappearance of the distinction at the time of Justinian.

5. What were the chief stages in the development of the distinction between Contracts and Conveyances?

6. Contrast the form of judicial procedure in civil cases in early times with that which prevailed at the time of Justinian.







## Law.

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### *Constitutional History.*

1. Gneist says, "The development of the parliamentary system of taxation is based upon the gradual blending of the older modes of taxation." Explain this, mentioning the older and the later modes.

2. Explain the Statutes Praemunire, of Provisors, and of de asportatis Religiosorum. What later statutes became incorporated with the Statute of Praemunire?

3. The period from the reign of Edward I to Edward III inclusive, is called "the period of the Estates of the Realm." Why? What circumstances served to unite the Spiritual and Lay Peers in an Upper House, and the Knights and representatives from the borroughs in a Lower House?

4. What was the state of the royal prerogative from John to Henry VIII.

5. The Tudor period may be regarded as a special period of County and Parliamentary development. Explain.

6. Trace the development of the Parochial system in England from Anglo-Saxon times, and especially its state under the Tudors; also its connection with the Poor Law system, and the County Police administration, especially under Elizabeth.

7. Point out the growth of the Guilds from their origin in the Frank pledge, their political and social influence and power, with the causes of their later failure and extinction under the Tudors.

8. What was the purpose of the Court of High Commission? Trace the origin and growth of the Court of

the Star Chamber. What was its earlier character? In what way did it abuse its powers?

9. State the terms of the Declaration of Rights as it relates to (1) the military power, (2) judicial power, (3) police power, (4) financial power, (5) ecclesiastical power, (6) power of the king.

10. What are the forms of procedure and the powers in the police administration of (1) Single Justices of the Peace, (2) of Special Sessions, and (3) of Quarter Sessions. What is the present effect of a Writ of Certiorari? State the changes made in England in the Writ of Certiorari in 12, Charles II, chaps. 23 and 24, 3 and 4, William and Mary, chap. 12, and 1 Anne, chap. 18.

11. Trace the growth of the English cabinet. What are its relations to the king and also to parliament? Who constitute it? State the functions and duties of each member.





For LL.B.

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*Hardcastles on Statutory Law.*

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N.B.—Ten only of these questions need be answered.

1. Why is the subject of the interpretation of Statutes important? Give examples.

2. Name the general classes of Statutes. Give the general rules of construction.

3. What are the rules in Heydon's case, and when do they not apply?

4. What is meant by a construction "ex visceribus actus"? And what by proceeding "upon the equity of the Statute"?

5. What are the parts of a Statute as given by Hardcastle, and the effects of each part on the others?

6. When is the meaning of general words limited?

7. What are the rules as to the effect of Statutes which grant power to private individuals to carry out some public work?

8. What are the general rules as to the effects of Statutes on prior enactments?

9. What is the difference between retrospective and ex post facto statutes; and when are statutes held retrospective and why?

10. What is the effect of a mis-statement of fact in a statute and what of a mis-statement of law?

11. Give the rules as to the construction of private acts.

12. What effect have British Statutes on the colonies generally?

13. State the effects of penal statutes upon contracts; and give any exception to the general rule.

For LL.B.

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*Westlake's Private International Law.*

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1. When are persons born out of British Territory deemed natural born British subjects ?

2. What is the idea expressed in the maxim "Nemo potest exuere patriam" ?

3. What is required to effect a change of Domicile on the part of Adult Men ?

4. Define the terms "Lex Situs" and "Lex loci contractus."

5. In what form and by what law are property in and transfer of Movable and Immovable respectively determined ?

6. What law decides the formal validity of a Will executed abroad devising realty and personalty situated in England respectively ?

7. What law governs the formal requisites for the validity of contracts generally ?

8. To what law do English Courts refer the question of the validity of a foreign marriage in point of form ?

9. A Bill of Exchange drawn in Kingston payable there and addressed to the Drawee in New York is accepted by him generally. In the event of dishonour, by what law must the sufficiency of notice thereof to the Drawer or an Indorser be determined ?

10. When and in what way will English Courts entertain suits respecting real estate abroad ?







For LL.B.

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*Wheaton's International Law.*

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1. What is International Law—what are its sources—wherein does it differ essentially from the internal Law of a state ?

2. How do laws relating to personal status operate extra territorially.

3. What distinction exists between the jurisdiction over public vessels and that over private vessels entering the ports of a foreign friendly nation.

4. What was the point in dispute between Great Britain and the United States regarding “the right of search” in relation to the African slave trade? Explain fully.

5. On what grounds did Russia claim exclusive territorial jurisdiction in the Behring Sea in 1821 ?

6. Give an instance of a claim to portions of the Sea on the ground of prescription. On what ground does Wheaton decide the claim ?

7. On what grounds did the United States base the claim to free navigation of the St. Lawrence ?

8. In 1746 a native of Great Britain who had been domiciled from infancy in France and had joined the French army was taken in arms against the King of England, for which he was indicted and convicted of high treason. State the principles which governed that decision.

For LL.B.

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*Harris' Criminal Law.*

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1. What is meant in Criminal Law by Malice ?
2. Under what circumstances is a person held exempt from responsibility for acts ordinarily Criminal ?
3. What is meant by (1) principal, (2) accessory ; in respect of the commission of a crime ?
4. What do you understand by (1) a libel, (2) a privileged communication ?
5. State some circumstances under which homicide is held to be non-felonious.
6. Distinguish between embezzlement and larceny by clerks and servants, giving an example of each.
7. State fully the circumstances under which a constable may arrest a person without a warrant.
8. Where may the venue be laid in the trial of receiving of stolen goods ?
9. Is it necessary that the person charged with crime should be present at the trial ? Is there any difference in this respect between trials for felony and misdemeanour ? If so state the difference.
10. A prisoner is charged with a crime and before being convicted evidence is offered that the prisoner had been previously convicted of a similar offence. Is this evidence admissible under any circumstances ?





## Divinity.

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### FIRST PAPER.

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1. Define Comparative Religion and state the grounds on which you vindicate the study. (20)

2. Indicate the spiritual strength and weakness respectively of the great non-Christian Religions. (20)

3. What is the attitude of Holy Scripture to other religions? (20)

4. Define Criticism, and state the objects of Textual, Exegetical and Historical Criticism. (15)

5. What is the object of Systematic Theology? (5)

6. What led to the formation of the O. T. Canon, and on what principles, so far as we can judge, were books included in the Canon? (10)

7. What does the triple division of the Canon reflect? (5)

8. Give the Confessional view as to the basis of the authority of Holy Scripture. (5)

### *Optional Questions.*

(a) On what fundamental principles did all the prophets of Israel stand?

(b) What made a man a prophet to his own age?

(c) What were the religious standpoints of the prophets of the 8th, 7th, and 6th Centuries, B.C., respectively.

(d) What influence had the Exile on Israel?

(e) What were the factors, External and Internal, that determined the development of Israel subsequently to the Exile?

## Divinity.

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### SECOND PAPER.

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1. What are the general results of Historical Criticism, so far as the N. T. is concerned? Are they consistent with belief in Inspiration?

2. On what points does the controversy between the Tübingen School and believing critics turn?

3. In what ways was the attitude of Jesus to sin unique?

4. Classify the limitations of the knowledge of Jesus indicated in the N. T.

5. Does the fact of our Lord's plenary authority involve the Jewish tradition of the authorship of O. T. books to which He referred?

6. Give the views of the Person of Jesus formulated by the first General Councils, and show that these are implicit in the N. T.

7. Jesus is the Supreme Revelation as well as the Revealer of God. Explain.







## Apologetics.

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### FIRST PAPER.

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1. Show that the internal evidences of a Revelation do not afford sufficient ground for believing it to be from God.

2. State and answer the two chief objections to the proof of miracles.

3. "Even if the occurrence of miracles were satisfactorily proved, their value as evidence for a Divine Revelation is destroyed by the admission that they can be wrought by evil agents." Criticise this statement.

4. Show that Christ's claim to be Divine cannot be established without the miracle of the Resurrection.

5. Distinguish the later from the earlier Vision theory of the Resurrection, and show that it is untenable.

6. "Testimony cannot set aside the conclusions of Reason." "No testimony can prove that a phenomenon is due to a supernatural agency." Criticise these statements.

## Apologetics.

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### SECOND PAPER.

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1. What circumstances prepared the world for the rise and progress of Christianity, and are evidential of its supernatural origin ?

2. State and describe the two methods of applying the historical argument for the truth of Christianity, and give the various steps of the argument in one of the methods.

3. What are the successive steps by which the fetish worshipper is said to rise to a conception of a supernatural power or spirit ? Criticise the theory.

4. State and criticise the theory of conditional immortality.

5. What is the *proper formal* notion of (1) natural government, (2) moral government ? Show how they are related to each other.

6. Describe the general analogy which makes a future state of rewards and punishments perfectly probable.

7. Answer the objections :—Why is not the present state of trial less uncertain ? Is it not improbable that hazard should be put upon us by a Being whose foreknowledge is certain ?

8. State the conclusions to which a comparative study of the ethnic religions and Christianity leads.





## N. T. Criticism.

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1. On what principles were the writings of the N. T. selected as sacred and authoritative ?

2. What are the groups into which MSS are classified, and the characteristics of each group ?

3. State the Two-document hypothesis of the Synoptics, and the argument in support of it.

4. State and refute objections to the Pauline authorship of the Pastoral Epistles.

5. State and criticise the grounds on which it is maintained that the ἐπισκόπος of the Pastoral Epistles designates an order of the ministry different from the πρεσβύτερος.

6. Translate I Tim. 3 : 14–16.

(1) Parse τάχει, εἰδῶς, ὧφθη, ἀνελήφθη.

(2) Interpret ἥτις ἐστὶν ἐκκλησία.....στῦλος καὶ ἐδραίωμα τῆς ἀληθείας.

(3) Show that ὅς, not θεός is the correct reading in v. 16.

7. Translate I Tim. 2 : 12–15.

(1) Explain how the historical reference illustrates the Apostle's prohibition.

(2) Interpret v. 15.

8. Pfleiderer and others argue that the Epistle to the Ephesians is an elaborate reproduction of the Colossian letter. Criticise their position.

## Church History.

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### *Mediceval Christianity.*

1. How did the pastor of the primitive Roman congregation become the Supreme Pontiff of Western Christendom?

2. Describe the cause, progress, and issue of the conflict between Gregory VII and Henry IV.

3. State the occasion and substance of the Bulls, *Clericis laicos*, and *Unam Sanctam Ecclesiam*.

4. Outline the influence of Monasticism on life and thought during the Middle Age.

5. Give a short account of the origin, development, and effect of Sacerdotal Celibacy in the Christian Church.

6. Write a brief sketch of the life and works of :—

(1) John Scotus Erigena.

(2) Anselem.

(3) Thomas Aquinas.



## Church History.

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### *Nicene and Post-Nicene Christianity.*

1. Describe the Catacombs and show how they indicate the transition from Primitive to Post-Nicene Christianity.

2. Give a sketch of (1) the occasion, (2) the composition, (3) the stages of debate, and (4) the doctrinal result of the Council of Nicaea.

3. Explain what is meant by Apollinarianism, and sketch its history.

4. Compare the Pelagian and Augustinian systems on :—

(1) The primitive state of man and the nature of human freedom.

(2) The fall and its consequences.

(3) Human ability and divine grace.

5. Explain the Historical and doctrinal signification of :—

(1) The Tome.

(2) The Henoticon.

(3) The Synodicon.

(4) The Ecthesis.

(5) The Type.







## O. T. Exegesis.

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### I. *Septuagint.*

1. Translate (1) Exod. xiv, 16, 22.  
(2) “ xvi, 14, 18.  
(3) “ xviii, 22.  
(4) Is. vii, 19, 20.  
(5) “ viii, 16, 22.
2. Parse (1) κατεποθησαν Ex. xv, 4.  
(2) θιγειν “ xix, 12.  
(3) ἀμητω Is. ix, 3.  
(4) πενητων “ x, 2.
3. Difference between (1) ἐπληρη Is. ix, 13 and ἐπλαγη.  
(2) λουω, νιζω, πλυνω.

### II.

4. Discuss the three interpretations of Is. vii, 14, 15.
5. Explain Is. vii, 18.
6. “ “ “ 20.
7. “ “ viii, 18.
8. “ “ ix, 4 “ day of Midian.”
9. “ “ “ 6 “ Everlasting Father.”
10. “ “ “ 10.
11. “ Ex. xvi, 34, “ The Testimony.”
12. “ “ xvii, 2, “ Wherefore do ye tempt the Lord ” ?
13. “ the different statements as to the contents of the ark I K. viii, 9 and Heb. ix, 4.
14. Correct the A. V. Is. ix, 1, 3.
15. Discuss the question whether Ezekiel describes a real or ideal Temple chs. xl-xlviii.

## Hebrew Antiquities.

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1. Name the different courts of the Temple.
2. In what court was (1) the altar of incense, (2) the brazen altar of burnt offering, (3) the pot of manna, (4) the brazen laver, (5) the shewbread, (6) the great candlestick, (7) the mercy seat.
3. Name (1) the officers of the synagogue, (2) its exercises.
4. Who were the Hellenists?
5. For what ends was circumcision appointed?
6. What were the functions of (1) the High Priest, (2) the Priests, (3) the Levites?
7. How were the Priests and Levites supported?
8. Give an account of (1) the burnt offering, (2) the peace offering, (3) the sin offering, (4) the trespass offering, (5) the unbloody sacrifices.
9. (1) What quadrupeds were used for sacrifices? (2) What birds?
10. What were the regulations concerning the paschal lamb?
11. (1) When did the sacred year begin, (2) and when the civil?
12. (1) What was the only fast appointed by the Law? (2) What other fasts were observed?
13. What was the Jubilee?
14. Discuss the question whether the Jubilee was observed.





## Second Hebrew.

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1. Translate (1) Deut. ix, 5, 28.  
 (2) Prov. xix, 19, 24.  
 (3) Jer. xxvii, 9, 19.  
 (4) Zech. ix, 1, 5.  
 (5) Ps. cxiv, 5, 10.  
 (6) Ps. cxix, 22, 27, 29, 37, 38.

2. Analyze (1) נחֹשֶׁת Deut. viii, 9.  
 (2) וּבִקְרָהּ “ “ 13.  
 (3) וּבְחֹמָה Prov. xviii, 11.  
 (4) אֶרְמוֹן “ “ 19.  
 (5) וּפְתִי “ xix, 25.  
 (6) אֵין “ “ 28.  
 (7) צִוְּאָרָה Jer. xxvii, 2.  
 (8) נִבְּאִים “ “ 10.  
 (9) כִּבְרֹ Zech. 5, 7.  
 (10) וְאֶרָא “ “ 9.

3. With what fact is the alleged origin of Deuteronomy in the time of Hezekiah inconsistent?

4. What is peculiar in the use of זֶה Deut. viii, 2?

5. Shew that the wilderness manna was not a natural production.

6. Write a note on the statement about the land Deut. viii, 9?

7. Why are serpents called fiery Deut. viii, 15 ?
8. Explain מִחֵר Deut. ix, 3 compared with vii, 22.
9. Give the rule for the position of הִזָּאת Deut. ix, 6.
10. Give the rule for the syntax of (1) units (2) tens.
11. Explain (1) Prov. xviii, 1.
  - (2) “ “ 24, first hemistich.
  - (3) “ xix, 18, second “
  - (4) “ “ 22, first “
12. (1) In what books is אָנֹכִי not found ? (2) Where is it more frequent than אֲנִי ?
13. Explain אֶת אֲשֶׁר Jer. xxvii, 8.
14. Shew that Jeremiah's statement ch. xxvii, 16, accords with history.
15. Explain the vision Zech. v, 1–4.
16. Explain the symbolical action Zech. vi, 9–15.
17. Shew that the A. V. is incorrect in Zech. vii, 2.
18. Explain Ps. cx, 3.
19. Shew that Jordan is an appropriate name for the river so called.







### Third Hebrew.

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1. Translate (1) Job xli, 17-19.

(2) Hos. ix, 8, 10.

(3) Is. xlvi, 1, 7, 11.

(4) Ps. xc, 12-16.

(5) Ps. xcvii, 3-5.

(6) Ps. cii, 9-11.

2. Analyze (1) יסֹוד Job xl, 2.

(2) חֲלָצִיךָ “ “ 7.

(3) תַּפְּךָ “ “ 8.

(4) הַפִּיץ “ “ 11.

(5) גִּרְנוֹת Hos. ix, -1.

(6) אוֹנִים “ “ 4.

(7) עֲנָבִים “ “ 10.

(8) רַחִים Is. xlvii, 2.

(9) עֲלָךְ “ “ 6.

(10) חֲבֵרֶיךָ “ “ 9.

3. Difference between

(1) מַעִים and מַעוֹת (4) חֲצֹצְרָה and שׁוֹפָר

(2) עֲצָם and גֶּרֶם (5) מִרְעִים and מַרְעִים

(3) מַחָא and תַּקַּע (6) נִבְלָח and נִבְלָה

4. פִּתְחָה Is. xlviii, 8. The meaning of this form here and elsewhere ?

5. Why was the command Is. xlviii, 20, only partially obeyed?

6. Give the different translations of בְּכֶסֶף Is. xlviii, 10.

7. Discuss the two readings לוֹ and לֹא Is. xlix, 5.

8. In what sense is the Servant of the Lord called Israel Is. xlix, 3?

9. What direction does יָׁ usually denote? Why is it to be interpreted differently Is. xlix, 12?

10. What argument for the unity of Isaiah is derived from xlix, 13?

11. How are Is. xlix, 22 (last clause) and 26 (first clause) illustrated by Assyrian inscriptions and sculptures?

12. Explain (1) Job xli, 4, 11, 14.

(2) Ps. lxxxi, 6, 17 2d hemistich.

(3) Ps. lxxxiv, 6-8.

(4) Ps. xcix, 6.

13. How is Ps. lxxxiii, 9 inconsistent with the Maccabean date of the Psalm?

14. Name the most important Messianic Psalms.

15. State the characteristics of the Psalms ascribed to Asaph.



## Chaldee.

1. Translate (1) Dan. ii, 47, 48.  
 (2) " iii, 31, 33.  
 (3) " iv, 4-7.
2. Analyze (1) לְהִיתִּיהָ Dan. iii, 13.  
 (2) שָׁנוּ " " 27.  
 (3) וְהָרְהִיץ " iv, 2.  
 (4) לְהַנְעִלָּהּ " " 3.
3. Give the Hebrew equivalent for (1) חָלַם  
 (2) חָזוּ  
 (3) קָדִישׁ  
 (4) עֲלַם
4. Which of the conjugations is not found in Biblical Chaldee, and how is its place supplied?
5. What suffixes do feminine nouns take?
6. Decline the demonstrative pronoun.
7. Give a paradigm of (1) sing. pret. Aphel קָטַל  
 (2) sing. fut. Paes יִקְטֹל  
 (3) imper. Peal קַטֵּל
8. Shew that the names of the musical instruments ch. iii, do not prove the Maccabean date of the book.
9. What was there in the circumstances of the Jewish nation that made the miracle ch. iii, specially seasonable?
10. Shew how men of average goodness would have reconciled it to their consciences to comply with the king's decree.
11. Shew that viewed from the standpoint of the Babylonians the refusal of the three Jews to comply with the king's decree was peculiarly reprehensible.









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